

CANADIAN INDUSTRY IN 1871

Ontario County Series #11

HURON COUNTY INDUSTRIES, 1871 INDEX TO MANUSCRIPT CENSUS

G.T. Bloomfield & Elizabeth Bloomfield

G.T. Bloomfield, series editor



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Cover Illustration (selected and described by G.T. Bloomfield)

The view of Whitevale, Township of Pickering, was chosen to illustrate Canadian industry in 1871. At this time, a high proportion of manufacturing activity was still located in small settlements, some of which were growing rapidly into towns. **Lovell's Directory** (1871) described Whitevale as:

A thriving village...[with] extensive flouring and woollen mills... Montreal Telegraph Co has an office here. Distant from Whitby, the county town, and a station of the Grand Trunk Railway, 13 miles. Mail daily. Population about 250.

Truman P. White has acquired the water rights at Majorville on Duffin's Creek in 1845 and developed a grist mill, a saw mill and, later, a woollen mill. By 1871 the census enumerated six significant industrial establishments employing 66 workers and with a total value of production amounting to \$125,000. The transition from waterwheels (70 horsepower) to steam engines (66 horsepower) was already apparent in the village by this date. In common with its counterparts across the country, Whitevale's basic industrial activities were closely associated with the local agricultural area. There was also considerable economic integration apparent in the ownership of several establishments by Truman P. White and in the making of staves in the sawmill for the cooper shop which in turn supplied the flour mill with basic containers for transporting the flour to market.

Unlike many of its contemporaries, Whitevale has remained about the same size ever since 1871. The 1971 census recorded a population of only 273 in the unincorporated settlement. Whitevale never achieved connection by railway, county road or provincial highway. Much of the surrounding land was acquired for the planned Pickering airport and new town in 1972/3 and today the settlement is threatened by the creation of a municipal solid waste dump for Metropolitan Toronto and the Durham Region.

The illustration was first published in the **Illustrated Historical Atlas of the County of Ontario** (Toronto: J.H. Bees and Co., 1877), reprinted Ross Cumming, 1972).

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Ontario County Series #11

**HURON COUNTY INDUSTRIES, 1871
INDEX TO MANUSCRIPT CENSUS**

G.T. Bloomfield & Elizabeth Bloomfield

G.T. Bloomfield, series editor

Department of Geography

University of Guelph

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Department of Geography
University of Guelph
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CANADIAN INDUSTRY IN 1871: ONTARIO COUNTY SERIES

The first Census of Canada was taken at a time when the "hum of industry" was believed to be an essential sign of a community's progress, usually associated with the benefits of railway connections. Many people at this time seem to have shared Thomas Keefer's vision of "the civilizing tendency of the locomotive":

A town has been built and peopled by the operatives -- land rises rapidly in value -- the neglected swamp is cleared and the timber is converted into all sorts of wooden "notions" -- tons of vegetables, grains or grasses are grown where none grew before -- the patient click of the loom, the busy hum of the spindle, the thundering of the trip-hammer and the roaring of steam, are mingled in one continuous sound of active industry.¹

The CANIND71 database created from the manuscript census schedules of industrial establishments is used in this series to provide snapshots of industrial activity in Ontario just after Confederation, at a time of transition in technology, business organization and work discipline. The 36 Ontario counties varied in the amount and intensity of "active industry", depending on how long they had been settled, how much of their population lived in cities and towns, and how well connected they were by rail or water transport.

One title in the CANIND71 series of research reports has already examined the mix of industrial activity in Wellington County, Ontario, as a model for what might be done for any other place of similar size and population in Ontario, Quebec, New Brunswick or Nova Scotia.²

The reports in the Ontario County Series have less detailed description and analysis than the study of Wellington County and more tabulations of data compiled out of the CANIND71 database. The reports follow a similar format. First, features of the CANIND71 database, especially its geographical organization and industrial classification, are explained so that readers can understand tables for particular counties. Each county is defined and factors in its history, location and resources that influenced the amount and character of industry by 1870-1 are noted. Then the structure and characteristics of industry in that county are summarized under the headings of location and distribution, industry types, size structure of industrial units, use of water and steam power, workplace types, and leading firms. The appendices present aggregate data grouped by geographical location, industry classifications and specific industry types. Summary data for individual establishments are then listed for the whole county, alphabetically by the proprietor's name, with additional lists for establishments in each city, town or village.

¹ T.C. Keefer, Philosophy of Railroads (1850), edited with an introduction by H.V. Nelles (Toronto: University of Toronto Press, 1972), p. 9.

² Elizabeth Bloomfield and G.T. Bloomfield, The Hum of Industry: Millers, Manufacturers and Artisans of Wellington County CANIND71 Research Report 9 (Guelph: University of Guelph, Department of Geography, 1989).

CANADIAN INDUSTRY IN 1871: ONTARIO COUNTY SERIES

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0-88955-273-8	Prescott & Russell County Industries, 1871: Index to Manuscript Census (#26 in series)
0-88955-274-6	Prince Edward County Industries, 1871: Index to Manuscript Census (#27 in series)
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0-88955-276-2	Simcoe County Industries, 1871: Index to Manuscript Census (#29 in series)
0-88955-277-0	Stormont, Dundas & Glengarry County Industries, 1871: Index to Manuscript Census (#30 in series)
0-88955-278-9	Victoria County Industries, 1871: Index to Manuscript Census (#31 in series)
0-88955-279-7	Waterloo County Industries, 1871: Index to Manuscript Census (#32 in series)
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0-88955-283-5	Northern Districts Industries, 1871: Index to Manuscript Census (#36 in series)

INTRODUCTION TO THE CANIND71 DATABASE

The CANIND71 database is a machine-readable version of the original manuscript information for more than 45,000 industrial establishments counted in the first Census of Canada in 1871. This new source provides a wealth of information for the four provinces enumerated in 1871 -- New Brunswick, Nova Scotia, Ontario and Quebec. The 1871 census was the first to be taken on a consistent basis for the four provinces. Although similar information was collected in the Canadian censuses of 1881, 1891, 1901 and 1911, the manuscript schedules for industry have not survived. The 1871 census manuscripts are thus the only systematic source for industrial activity that survives in such detail from the nineteenth century. Moreover, the 1871 schedules contain a great deal of information that was never published at the time.

In using the CANIND71 data, we should understand the definitions and procedures used by the 1871 census enumerators:³

- * Industrial businesses found by the census enumerators as they made their rounds in early April 1871 were included, and details were recorded of their operations during the preceding twelve months.

- * An industrial establishment was defined as "a place where one or several people are employed in manufacturing, altering, making up or changing from one shape into another, materials for sale, use or consumption, quite irrespectively of the amount of capital employed or of the products turned out" (p. 138). No minimum value of output was set, in contrast to the United States censuses in the same period, for which only establishments with at least \$500 worth were included.

- * All repairs, mending or custom work were understood to be industrial products. Thus the definition of industrial activity was considerably broader than it would be in the twentieth century.

- * Numbers of workers or "employés" were defined to be the average number of persons actually working in the industrial establishment during the 12-month reporting period, and could consist entirely of members of the proprietor's family. The industrial workforce was subdivided by age and gender into men, women, boys (males under 16 years) and girls (females under 16 years), but the amount of wages paid to each age-gender group of worker was not separately stated.

- * Industrial establishments were recorded in the geographical units -- District, Sub-District or Division -- in which they were found "and nowhere else. The principle is essential in every case. The production is attached to the locality" (p. 139).

- * In reporting custom work such as tailoring or work done on toll such as that of some grist mills or carding mills, enumerators were told to state the real value of raw materials, even if these amounts did not pass through the accounts of the proprietor.

³ "Manual Containing the Census Act and Instructions to Officers Employed in Taking of the First Census of Canada, 1871," Canada Sessional Papers No. 64 (1871). Quotations are from this source.

* Though enumerators could specify the types, quantities and values of individual raw materials and products for each establishment, it was foreseen that in most cases only the aggregate dollar values of raw materials and products would be stated.

* Values of fixed capital and floating capital invested in the industrial business were distinguished rather than merged, and the number of working months was specified.

Only a very limited amount of the information collected in Schedule 6 of the 1871 census was published in the official census volumes of the 1870s.⁴ The statistical tables published at the time used various industrial types that were defined pragmatically rather than systematically, and then listed in alphabetical order. For each industry type, whether as specialized as whip making or as ubiquitous as blacksmithing, figures were published for numbers of establishments, hands employed, yearly wages, value of raw materials and value of products in each of 206 Census Districts.

No industrial data at all were published for smaller areal units such as the Census Sub-Districts, either as summaries of total industrial activity or for specific types of industry. Thus the only 1871 industrial information published for urban centres was for the six cities, the boundaries of which exactly coincided with those of one or more Census Districts. These were Montreal, Toronto, Hamilton, Ottawa, London and Kingston. Some information collected by the enumerators was never compiled into published tables, notably for types and horse-power units of inanimate power, months of operation during the reporting period, and "floating" capital distinguished from "fixed" capital. The published totals also understated the real extent and value of industrial activity as these can now be reconstituted from the manuscript census schedules.⁵

Database Variables

The CANIND71 database has made machine-readable information about all the industrial firms counted in Canada's first national census. For each establishment, there are up to 125 variables. The firms were located in 206 Census Districts and over 1600 Census Sub-Districts in Ontario, Quebec, New Brunswick and Nova Scotia. All details recorded by the enumerators on the manuscript census schedules have been included as basic variables in the CANIND71 database. These are: name of proprietor, kind of industrial business, geographical location, use of non-manual forms of power, numbers of workers (distinguished into men, women, boys and girls), number of working months in the year, and the dollar amounts of fixed and floating capital invested, wages, raw materials and products, as well as kinds, quantities, units of measurement and values of individual raw materials and products, and additional remarks or comments.

In addition to the information transcribed from the census manuscripts, the CANIND71 database contains several variables derived by calculation or inference from the basic variables. These include the total values of raw materials or of products

⁴ Census of Canada 1871, volume III, Tables 28-55.

⁵ For a more detailed discussion of the 1871 Census procedures and a comparison of the published and manuscript data for industry in 1871, see Creating CANIND71: Procedures for Making the 1871 Census Machine-Readable (Research Report 4, 1989).

(when only details for component products or materials had been stated on the manuscript schedules), the value added (gross value of output less costs of raw materials when both these figures were reported), the total number of employees, and the average monthly wage per employee.

Geographical Organization

The original descriptions of geographical areas defined for the 1871 Census were researched to ensure that the codes and place names were entered accurately and consistently into the database. For ease in returning to the original schedules, we adopted the same code letters and numbers that were used in 1871 to describe the Census Districts, Census Sub-Districts and Census Enumerators' Divisions. The 206 Census Districts were intended to correspond with the Electoral Districts defined under the British North America Act 1867.⁶ Census Districts were divided into 1,701 Census Sub-Districts, which were intended to correspond with Municipal or other recognized divisions -- towns, villages, townships or city wards in Ontario, for example. The Census Sub-Districts were subdivided into nearly 3,000 Census Enumerators' Divisions, but these were defined for convenience of census-taking rather than to coincide with any other system of defining areas and no maps or written descriptions of these units have survived.⁷

Details of Census District name (with variable name CDISTRIC) and number (CDID), Census Sub-District name (CSD) and Census Enumerator's Division (CED) were coded for each manuscript record as it was entered into the CANIND71 database. Usually this information was written by the census enumerators on the manuscript schedules. But we had to standardize the names and codes for computer processing. We numbered the Census Districts in the same sequence from 001: Essex in southwest Ontario to 206: Richmond, Nova Scotia. Census district numbers in Ontario were prefaced with the letter O. We also adopted the same code letters and numbers that were used to describe the smaller Census Sub-Districts and Census Enumerators' Divisions in 1871. Municipal status was abbreviated as V-Village, T-Town (or Ville), C-City and Tp-Township. In the case of CSDs with the same principal name, they are distinguished by the directional abbreviations following the place name, such as N for North or Nord, S for South or Sud, E for East or Est, W for West.

Industrial Classification

The census enumerators used natural language to describe the kinds of establishment and industrial raw materials and products they encountered.⁸ In creating the CANIND71 database, we entered the enumerators' words into the computer record, but we also assigned standardized codes to each record to denote industry types and major groups more precisely and consistently. These codes are vital for analysis of the data.

⁶ Statutes of Canada, 33 Vict. 1870, Cap. 21, s. 4.

⁷ See G.T. Bloomfield, Boundaries of Canadian Census Units in 1871 (CANIND71 Research Report 10, 1990).

⁸ See Glossary of Industrial Language (CANIND71 Research Report 5, 1989) and French-English Dictionary of Industrial Language (CANIND71 Research Report 6, 1989).

Each record in the CANIND71 database has been assigned a code according to the 1970 Standard Industrial Classification Manual of the Canada Dominion Bureau of Statistics.⁹ Understandably, there were some problems in applying a 1970 classification to the conditions of a century earlier. Changes in technology have eliminated some industry types that were common in 1871. The more rudimentary level of economic and business organization in 1871 meant that many enterprises combined industrial activities that would typically be separated in specialized businesses by 1970. Repair of all kinds of goods and equipment was more integrally associated with manufacture in 1871.

The appropriate SIC code for each record was determined by study of both the stated kind of establishment and the actual products and raw materials reported in each case. Wherever possible, we chose the SIC code that best matched the actual outputs of the business as reported for the year ending March 31, 1871. The "kind of establishment" information alone could be quite misleading, as this term was sometimes an occupational label that did not really describe the actual products. For example, a business might be described very generally as a "foundry", which would rate a code of "294" only if its products were primarily iron castings. More typically, the products of so-called foundries in 1871 were fabricated metal products such as stoves (307-S) or general machinery (315) or agricultural implements (311). In another example, one who was by trade a blacksmith and so recorded in the "kind of establishment" column may have had opportunities to make all kinds of metal goods, often including carriages and wagons. If he made definite numbers of carriages or other items of transportation equipment, his business would be assigned the appropriate and more specific SIC code of "329" rather than "896" which would be assigned for a blacksmith engaged only in "country work and repairs".

We adapted the 1970 system to the 1871 context in two main ways. First, suffixes of hyphen and capital letter could be added to the basic 3-digit code to give greater specificity, a brewery (109-B) being distinguished from a distillery (109-D) for example. Second, an establishment that combined two or more products or services was given a compound SIC code, consisting of the two most important linked by a slash (/), so that a flour mill-cum-distillery is represented as "105/109-D".

These elaborations of the basic classification system resulted in a total list of over 700 specific codes that were used to describe the 45,070 firms in the four provinces in 1871. A few of these codes were shared by large numbers of establishments. Thus 5,254 blacksmiths were assigned the SIC code of "896", 5,088 saw mills had the basic code of "251", and 4,189 shoemakers were coded "174". Some 2,830 handloom weavers were given the code "182-W", 2,527 carriage and wagon makers were coded "329", and 2,098 flour mills share the code "105". Basic SIC codes assigned to at least 50 industrial establishments throughout Canada are listed in Table 1. At the other extreme, some significant enterprises had codes that were unique for Canada.

⁹ For a more detailed discussion of our use of SIC codes, see G.T. Bloomfield, Standard Industrial Classifications Applied to Historical Data (CANIND71 Research Report 7, 1989). The CANIND71 classification is based on Dominion Bureau of Statistics, Standard Industrial Classification Manual (Ottawa, 1970); for French-language equivalents we consulted Statistique Canada, Classification type des industries (Ottawa, 1990).

Table 1
STANDARD INDUSTRIAL CLASSIFICATION (1970) ADAPTED FOR 1871:
 short list of codes with at least 50 occurrences in CANIND71 database

101-P	Pork Curing/Packing	Salaison de porc
102	Fish Curing	Salaison de poisson
104	Cheese Factories	Fromageries
105	Flour/Grist Mill	Farine, Moulin à
105-O	Oatmeal Mill	Avoine, Moulin d'
107	Bakeries	Boulangeries
108-C	Confectionery	Confiserie
109-B	Brewery	Brasserie
109-S	Aerated Water	Eaux gazeuses
153	Tobacco Working	Tabac, Manufacture d
172	Tanneries	Tanneries
174	Boots/Shoes	Bottes/Souliers
179-S	Saddle/Harness Making	Selles]
182	Woolen Cloth Factories	Drap, Fabriques de
182-W	Weaver	Tisserand
189-W	Carding/Fulling Mills	Carder/fouler, Moulins à
239-K	Stockings/Mittens/Hand Knitter	Bas/Mitaines/Tricoteur
242	Clothing	Habillements
243	Tailors/Clothiers	Habillements pour hommes
246	Furrier/Hatter	Pelleterie/Chapellerie
249-M	Milliner	Modiste
251	Saw Mill	Moulin à scie
251-S	Shingle Making	Bardeaux, Confection de
254	Sashes/Doors/Blinds	Portes/Fenêtres
256	Basket Making	Vanneries
259	Wood Products, Misc	Produits de bois, divers
259-C	Cooperage	Tonnellerie
259-W	Wood Turning Establishments	Tours à bois
261	Cabinets/Furniture	Meublerie
286	Printing office	Imprimerie
287-B	Book Binding	Reliure
289	Printing/Publishing incl newspapers	Imprimerie/Publication de
294	Foundry/Castings	Fonderie/Fonte
304-T	Tinsmith	Ferblantier
306	Agricultural Hand Tools	Outils agricoles manuels
306-T	Axes	Haches
307-S	Stoves	Poêles
309	Metal Fabricating, Misc	Fabrication de métaux
311	Agricultural Implements	Instruments aratoires
315	Machinery, Misc	Machinerie/Équipement
315-H	Spinning Wheels	Rouets
315-P	Pumps	Pompes
327	Ship Yards	Navires, Construction de
327-M	Ship Material	Appareux de navire
328	Boat Building	Chaloupes, Construction
329	Carriage Making	Carrosserie
329-P	Wheels (* and other parts)	Roues
351-B	Brick/Tile Making	Briqueterie/Tuilerie
351-P	Pottery	Poterie
353	Stone/Marble Establishments	Marbrerie
358-L	Lime Kilns	Fours à chaux
365	Oil Refineries	Épuration de l'huile
374	Drugs	Drogues
376	Soap/Candle Making	Savonneries/Chandelleries
378-P	Pot/Pearl Asheries	Potasseries
392	Jeweler/Watchmaker	Bijoutier/Horloger
421-C	Carpenter/Joiner (buildings)	Charpentier (bâtiments)
421-D	Painter/Glazier	Peintre en bâtiments
893	Photographic galleries	Photographies
896	Blacksmithing	Forges

The SIC codes were generalized into the 26 Major Industry Groups (or SECs) that were also coded for each record (Table 2). This table also reflects the inclusion by the 1871 census enumerators of a wider range of industrial activities and processes than would be defined as manufacturing industry today. Eighty-six per cent of the establishments are classified in the Major Group 5 for Manufacturing Industry, with SIC codes between 101 and 399, accounting for 95 per cent of the total value of industrial output in 1871.

Table 2
**STANDARD INDUSTRIAL CLASSIFICATION:
MAJOR GROUPS AND SIC CODES**

Major Group SEC	SIC codes
Division 1 Agricultural Services	021-029
Division 2 Forestry	031-039
Division 3 Fishing	041-049
Division 4 Mines, Salt Wells etc	051-099
Division 5 Manufacturing Industries	
5.01 Food and Beverages	101-109
5.02 Tobacco Products	151-159
5.04 Leather Industries	171-179
5.05 Textile Industries	181-189
5.06 Knitting Mills	231-239
5.07 Clothing Industries	241-249
5.08 Wood Industries	251-259
5.09 Furniture Industries	261-269
5.10 Paper Industries	271-279
5.11 Printing and Publishing	281-289
5.12 Primary Metal Industries	291-299
5.13 Metal Fabricating	301-309
5.14 Machinery Industries	311-319
5.15 Transportation Equipment	321-329
5.17 Non-metallic Minerals	351-359
5.18 Petroleum & Coal Products	361-369
5.19 Chemical Industries	371-379
5.20 Miscellaneous Manufactg	391-399
Division 6 Construction Industry	401-499
Division 7 Gas and Water Utilities	572-579
Division 8 Trade (incl repair)	601-699
Division 10 Personal/business services	861-899

Using the SIC and geographical codes, data for individual establishments can be aggregated in all sorts of ways. In the sample records and tables presented in this report, we use the same variable names as in the CANIND71 database. They are explained in Table 3.

Table 3
VARIABLE NAMES IN CANIND71 DATABASE

Abbreviated code names for variables in the CANIND71 database are used in various tables in this report. A brief explanation of each code name follows:

AVWAGE:	Average monthly wage per worker in a firm, place or type of industry.
CDID:	Census district number used in 1871 census.
CDISTRIC:	Census district name used in 1871 census.
CED:	Census enumerator's division, a small part of a census district.
COMMENTS:	Additional remarks or comments for a firm entered in manuscript schedule.
EMPBOY:	Boys (males under 16 years) employed in industrial activity.
EMPGIRL:	Girls employed (females under 16 years) in industrial activity.
EMPMEN:	Men (males over 16 years) employed in industrial activity.
EMPWOM:	Women (females over 16 years) employed in industrial activity.
FIXCAP:	Value of fixed capital reported by proprietors.
FLOCAP:	Value of floating or working capital reported by proprietors.
FORCE:	Units (in "horse power" equivalents) of non-manual power reported by proprietors.
MONTH:	Number of working months in year.
OBSERV:	Observation, unit or record in a database; in the case of CANIND71 means individual industrial establishment.
PROD1:	Named type of product, first to Nth, as numbered.
PROPRIOR:	Name of proprietor as stated in census schedules.
PQUANT1:	Quantity of named product, first to Nth, as numbered.
PUNIT1:	Unit of measurement of named product, first to Nth, as numbered.
PVALUE1:	Value of named product, first to Nth, as numbered.
RAWMAT1:	Named type of raw material, first to Nth, as numbered.
RQUANT1:	Quantity of named raw material, first to Nth, as numbered.
RUNIT1:	Unit of measurement of named raw material, first to Nth, as numbered.
RVALUE1:	Value of named raw material, first to Nth, as numbered.
SEC:	Major industry group, derived from combinations of SIC codes.
SIC:	Standard Industrial Classification.
SUMPROC:	Value of industrial production (\$).
SUMRAWC:	Value of raw materials used in industry (\$).
TOTEMP:	Total number of employees, the sum of EMPMEN, EMPWOM, EMPBOY and EMPGIRL.
TYPEEST:	Type of establishment as stated by enumerator in census schedules.
TYPEPOW:	Type of power reported: steam, water, horse, W/S (water/steam).
VADD:	Value added in manufacturing (\$) = production \$ - raw materials \$.
WAGES:	Wages paid to industrial workers (\$).

ACKNOWLEDGEMENTS

Between 1982 and 1990, the CANIND71 Project based in the Department of Geography of the University of Guelph, computerized the full data for some 45,000 industrial establishments that were enumerated in Canada's first national census in 1871. We appreciate the shelter and support provided to the project by the Department of Geography. Creation and documentation of the CANIND71 database were substantially assisted by several grants from the Social Sciences and Humanities Research Council of Canada between 1985 and 1989. The most substantial of these were Grants 482-87-0010 and 482-88-0010 to Elizabeth Bloomfield as principal investigator. In a new phase of the project, computer method, led by Gerald Bloomfield and supported by SSHRCC funds, computer methods of mapping the historical data are being developed.

The interest and support of all who have assisted with this project are gratefully acknowledged. Janine Grant, Barbara Sibley, Jane Turner, Jane Darch and Stephen Bellinger worked for the project for significant periods, and the quality of the final database owes much to their careful and thorough work. Peter McCaskell, first as programmer-analyst in the Department of Geography and then from the University's Computing Services, played an essential role in database management and programming through all phases of the project. Mario Finoro, chief technician of the Department of Geography, has assisted in the acquisition, setting up and maintenance of the equipment. The computer maps in this series are the work of Larry Laliberté, while the graphs of industrial structure were produced in final form by Marie Puddister.

Elizabeth and Gerald Bloomfield

HURON COUNTY INDUSTRIES, 1871

Consisting of the western and broader section of the Huron Tract developed for settlement by the Canada Company from the 1830s, Huron County had rural population densities in the middle range for Ontario. Its rural population would peak in 1881. The county was among the earliest parts of Ontario to be traversed by a railway by the mid-1850s -- the Brantford, Buffalo and Goderich Railway, which was part of the Grand Trunk system by 1871. Huron County was somewhat under-developed industrially in relation to other parts of the province in 1871. The mean value of industrial production per capita (\$46.14) was significantly lower than the mean for Ontario (\$74.00). The average number of employees per industrial establishment was only 3.1 in Huron compared with 4.4 in Ontario as a whole, and the mean value of output per establishment was also lower -- \$4,536. compared with \$5,516.¹⁰

Census and Municipal Units

Census Districts were defined to match federal electoral districts rather than counties in 1871. However, the component Sub-Districts matched the smaller municipal units of townships, towns, villages or city wards. Huron County was divided between the two Census Districts of Huron South (with six townships and the town of Goderich which was also the county seat) and Huron North (including ten townships and the villages of Clinton and Seaforth). The Census Sub-Districts of Huron County are shown in Figure 1 and their basic statistics of area (sq mls), population (pop), industrial establishments (est) and industrial employees (empl) are set out in Table 4.

¹⁰ A full bibliography of the historical development of industry in each community cannot be given here, but the following items consider industry historically among other topics:

Boon, Thelma and Brenda Galachiuk, The history of Clinton (1979).

Campbell, Isabelle, From forest to thriving hamlets (Seaforth: The Huron Expositor, 1968).

Campbell, Isabelle, The story of Seaforth: a history (Seaforth: The Huron Expositor, 1966).

Huron County historical atlas (Goderich: Corporation of the County of Huron, 1985).

Lauriston, Victor, "A century of Goderich," Canadian Geographical Journal 5 (1932): 82-96.

"The town of Seaforth: a synopsis of its past and present," Western Ontario Historical Notes 22 (1966): 6-35.

"Township histories," Huron Historical Notes 3 and 4 (1967 and 1968).

The information contained in this report about proprietors of industrial establishments in 1871 may be related to the valuable index of all household heads provided in Index to the 1871 Census of Ontario: Huron (Toronto: Ontario Genealogical Society, 1986).

Location and Distribution

Of the total county population of 66,165, only 11 per cent lived in the county town of Goderich (3,954 population), or the villages of Clinton (2,016) or Seaforth (1,368). But these three urban centres accounted for almost half the county's industrial output. Seaforth was the most highly industrialized with nearly 19 per cent of its population employed in industry, compared with under 10 per cent in Goderich and Clinton. In an analysis of all Ontario urban centres, only Seaforth in Huron County was found to rank above the Ontario mean for level of industrialization.¹¹ While larger enterprises were usually located in incorporated urban centres, industry was also dispersed in smaller villages and hamlets. The census manuscript schedules do not specify location in such smaller, unincorporated centres but it can be useful when comparing the census data with information from other sources to know which hamlets and villages were included in particular Census Sub-Districts. Among the larger unincorporated villages were Ainleyville (later Brussels, about 800), Blyth (700), Exeter (1,000), Wingham (700) and Wroxeter (600). Huron County's central places are listed in Table 5.¹²

Table 4
HURON COUNTY: CENSUS DISTRICTS AND SUB-DISTRICTS, 1871

CDID	CED	CENSUS SUB-DISTRICT	SQM sq mls	POP pop	EST est	EMPL empl
** CENSUS DISTRICT 0025: HURON SOUTH						
0025	A	STEPHEN TOWNSHIP	84.13	4349	48	139
0025	B	HAY TOWNSHIP	85.20	3897	46	92
0025	C	USBORNE TOWNSHIP	69.20	3831	38	69
0025	D	STANLEY TOWNSHIP	72.17	3804	43	90
0025	E	TUCKERSMITH TOWNSHIP	66.09	3699	41	143
0025	F	GODERICH TOWNSHIP	88.54	3615	21	40
0025	G	GODERICH TOWN	2.19	3954	65	389
** CENSUS DISTRICT 0026: HURON NORTH						
0026	A	COLBORNE TOWNSHIP	55.41	2429	18	89
0026	B	ASHFIELD TOWNSHIP	103.41	3893	29	44
0026	C	WAWANOSH WEST TOWNSHIP	66.94	2748	16	35
0026	D	WAWANOSH EAST TOWNSHIP	66.94	2651	19	41
0026	E	HULLETT TOWNSHIP	85.77	3678	38	72
0026	F	CLINTON VILLAGE	1.23	2016	26	159
0026	G	MORRIS TOWNSHIP	89.25	3952	19	48
0026	H	MCKILLOP TOWNSHIP	83.47	3808	10	41
0026	I	SEAFORTH VILLAGE	0.64	1368	48	256
0026	J	GREY TOWNSHIP	101.88	3855	21	86
0026	K	TURNBERRY TOWNSHIP	57.14	3201	46	124
0026	L	HOWICK TOWNSHIP	109.03	5417	81	161

¹¹ For analysis of the urban concentration of industry and of differences between specific urban centres, see Elizabeth Bloomfield and G.T. Bloomfield, The Ontario Urban System at the Onset of the Industrial Era (CANIND71 Research Report 3, 1989).

¹² For a more detailed discussion of the location of smaller villages and hamlets in relation to the 1871 Census units, see G.T. Bloomfield, Ontario Central Places in 1871: A Gazetteer Compiled from Contemporary Sources (CANIND71 Research Report 13, 1990).

Table 5: HURON COUNTY: CENTRAL PLACES, 1871

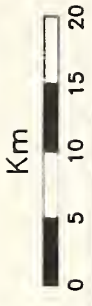
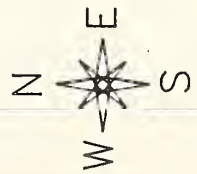
<u>Place</u>	<u>Population</u>	<u>Township</u>	<u>CSD</u>	<u>Sources</u>	<u>Lat.</u>	<u>Long.</u>
AINLEYVILLE	800	Grey	26J	D L	43 44	81 15
<i>post office called Dingle; place later called Brussels</i>						
AUBURN	.	Hullett	26E	D P	43 46	81 32
<i>also known as Manchester</i>						
BANDON	75	Hullett	26E	D L P	43 40	81 27
<i>also known as Melville's Mills (L); formerly Hartford (C2)</i>						
BAYFIELD	350	Stanley	25D	D L B	43 34	81 42
<i>on boundary with Goderich Tp</i>						
BELFAST	150	Ashfield	26B	D L P	43 55	81 33
<i>on boundary with West Wawanosh Tp</i>						
BELGRAVE	50	Morris	26G	D L P	43 49	81 22
<i>on boundary with East Wawanosh Tp</i>						
BELMORE	250	Turnberry	26K	D L P	43 58	81 11
<i>on boundary with Howick Tp, Huron Co and Culcross and Carrick Tps, Bruce Co</i>						
BENMILLER	150	Colborne	26A	D L P	43 44	81 37
BERNE	100	Hay	25B	D L P	43 27	81 39
<i>later Blake</i>						
BLUEVALE	300	Turnberry	26K	D L M	43 51	81 15
<i>on boundary with Morris Tp</i>						
BLYTH	700	Morris	26G	D L M	43 44	81 26
<i>on boundary with East Wawanosh and Hullett Tps</i>						
BREWSTER	100	Stephen	25A	L P	43 20	81 44
<i>formerly Port Blake (C); on boundary with Hay Tp</i>						
BRUCEFIELD	250	Stanley	25D	D L P	43 31	81 31
<i>on boundary with Tuckersmith Tp</i>						
BURROWSVILLE	.	Grey	26J	D	43 42	81 05
<i>later Henfryn</i>						
BUSHFIELD	200	Morris	26G	L P	43 45	81 21
CARLOW	100	Colborne	26A	D L P	43 47	81 37
<i>also known as Smith's Hill</i>						
CENTRALIA	50	Stephen	25A	L	43 17	81 28
<i>formerly Devon</i>						
CLINTON	2016	Clinton V	26F	D L B	43 37	81 32
CONSTANCE	.	Hullett	26E	P	43 38	81 25
<i>formerly Kinburn</i>						
CRANBROOK	250	Grey	26J	D L	43 42	81 12
<i>post office called Grey; formerly Tannersville (C1)</i>						
CREDITON	100	Stephen	25A	D L P	43 17	81 33
DEVON	80	Stephen	25A	D L P	43 17	81 28
<i>formerly the Balkwill Settlement; on boundary with Usborne Tp</i>						
DINGLE	.	Grey	26J	D M	43 44	81 15
<i>post office of Ainleyville; later Brussels</i>						
DRYSDALEVILLE	100	Stanley	25D	L	43 27	81 42
<i>also known as Drysdale; on boundary with Hay Tp</i>						
DUNGANNON	200	Wawanosh W	26C	D L M	43 51	81 36
<i>on boundary with Ashfield Tp</i>						
EGMONDVILLE	500	Tuckersmith	25E	D L M	43 32	81 24
ELIMVILLE	100	Usborne	25C	D L P	43 19	81 24
ETHEL	80	Grey	26J	D L P	43 43	81 08

EXETER	1000	Stephen	25A	D L B	43	21	81	29
amalgamated with Francistown in 1873 to form Village of Exeter; on boundary with Usborne and Hay Tps								
FARQUHAR	150	Usborne	25C	D L P	43	22	81	22
formerly Taunton (C)								
FORDYCE	100	Wawanosh W	26C	L P	43	52	81	28
FRANCISTOWN	.	Hay	25B	D	43	22	81	29
also spelled Francestown; also known as Frances (C2); amalgamated with Exeter in 1873 to form Village of Exeter; on boundary with Usborne Tp								
GODERICH	3954	Goderich T	25G	D L B	43	45	81	43
GORRIE	400	Howick	26L	D L P	43	52	81	06
also known as Howick, Leechville								
GREY	.	Grey	26J	D P	43	43	81	10
post office of Cranbrook								
HARPURHEY	.	Tuckersmith	25E	D	43	34	81	25
on boundary with McKillop Tp								
HAY	10	Usborne	25C	L P	43	22	81	29
on boundary with Hay Tp								
HILLSGREEN	10	Hay	25B	D L P	43	28	81	35
HOLMESVILLE	50	Goderich Tp	25F	L P	43	39	81	36
formerly Bridgewater (C)								
HOWICK	.	Howick	26L	D	43	52	81	06
also known as Gorrie, Leechville								
JOHNSON'S MILLS	.	HAY	25B	P	43	25	81	42
post office for Lakeview (C1)								
KINBURN 1	.	Hullett	26E	D	43	38	81	25
later Constance								
KINGSBRIDGE	100	Ashfield	26B	D L P	43	56	81	42
KINTAIL	70	Ashfield	26B	D L P	43	58	81	42
KIPPEN	40	Tuckersmith	25E	D L P	43	28	81	31
on boundary with Hay and Stanley Tps								
LAKELET	100	Howick	26L	L P	43	57	81	04
LAKEVIEW	100	Hay	25B	L	43	25	81	42
later St Joseph								
LIMERICK	.	Stephen	25A	D	43	16	81	37
also known as Mount Carmel; post office called Offa; formerly Cranford; on boundary with McGillivray Tp, Middlesex Co								
LISADEL	200	Howick	26L	D L P	43	52	81	02
formerly Town Plot of Howick; later Fordwich								
LONDESBOROUGH	250	Hullett	26E	D L P	43	43	81	29
formerly Hagyard's Corners, Wright's Corners								
LUMLEY	10	Usborne	25C	L P	43	23	81	25
MAITLANDVILLE	150	Colborne	26A	D L	43	45	81	42
MANCHESTER 1	100	Hullett	26E	L	43	46	81	32
also known as Auburn; on boundary with East Wawanosh and West Wawanosh Tps								
MARNOCK	30	Wawanosh E	26D	D L P	43	50	81	26
MORRISBANK	40	Turnberry	26K	L P	43	49	81	11
on boundary with Grey and Morris Tp								
MOUNT CARMEL	75	Stephen	25A	L	43	16	81	37
also known as Limerick; post office called Offa; formerly Cranford; on boundary with McGillivray Tp, Middlesex Co								

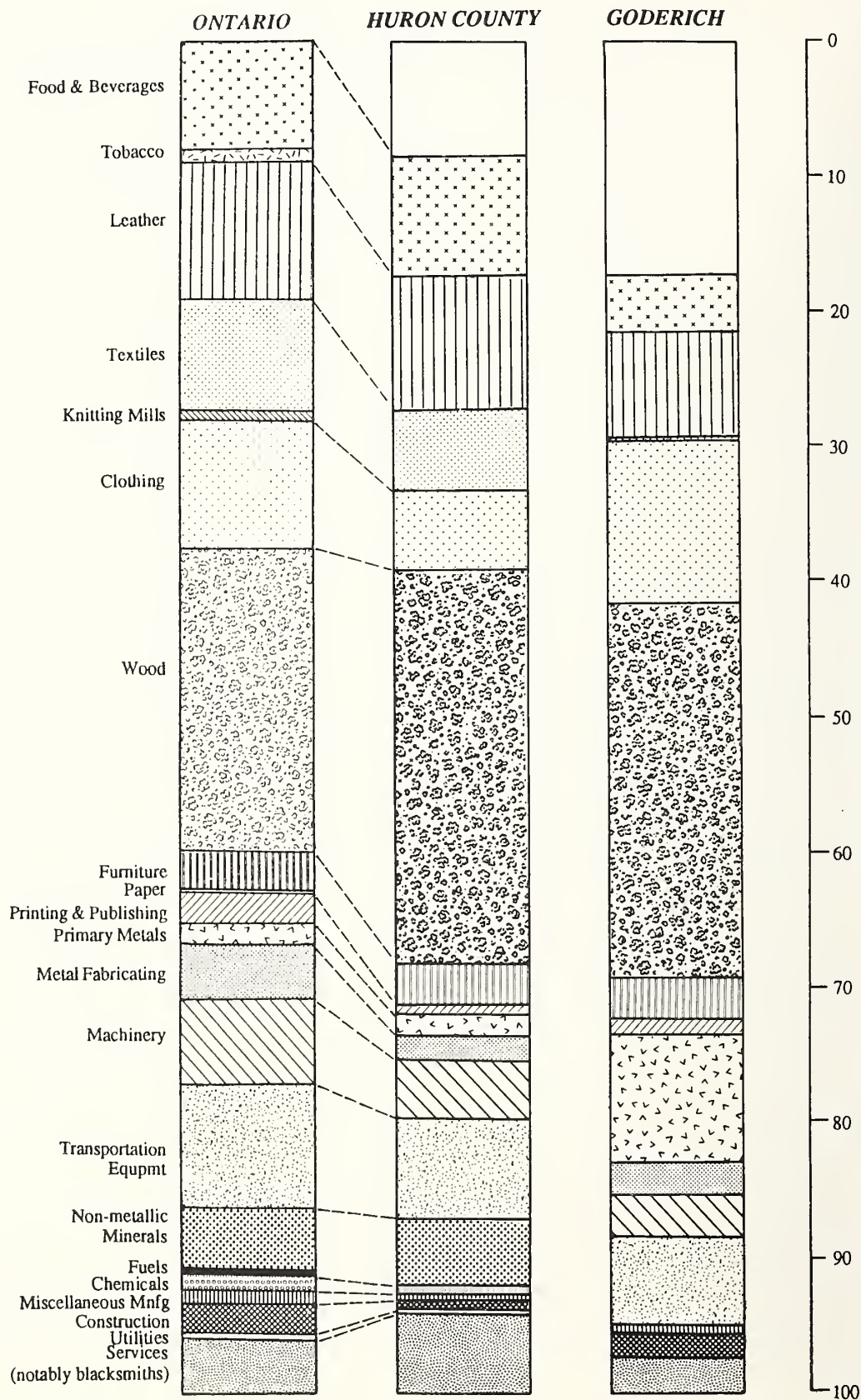
HURON COUNTY



HURON
 25A STEPHEN
 25B HAY
 25C USBORNE
 25D STANLEY
 25E TUCKERSMITH
 25F GODERICH TP
 25G GODERICH T
 26A COLBORNE
 26B ASHFIELD
 26C WAWANOSH W
 26D WAWANOSH E
 26E HULLETT
 26F CLINTON V
 26G MORRIS
 26H MCKILLOP
 26I SEAFORTH V
 26J GREY
 26K TURNBERRY
 26L HOWICK



COMPARATIVE INDUSTRIAL STRUCTURES: Percentages Employed in Major Industry Groups (SECs)



NEWBRIDGE	130	Howick	26L	D L P	43 51	80 58
<i>formerly Spencetown (C)</i>						
NILE	100	Colborne	26A	D P	43 48	81 37
OFFA	.	Stephen	25A	P	43 16	81 37
<i>post office of Mount Carmel/Limerick; formerly Cranford; on boundary with McGillivray Tp, Middlesex Co</i>						
PORT ALBERT	200	Ashfield	26B	D L P	43 53	81 43
PORTER'S HILL	10	Goderich Tp	25F	D L P	43 39	81 40
RODGERVILLE	70	Hay	25B	D L M	43 25	81 29
<i>on boundary with Usborne Tp</i>						
SAREPTA	50	Hay	25B	D L P	43 21	81 36
SEAFORTH	1368	Seaforth V	26I	D L B	43 33	81 24
ST HELENS	100	Wawanosh W	26C	D L P	43 54	81 30
VARNA	200	Stanley	25D	D L P	43 32	81 36
WALTON	125	Grey	26J	D L P	43 41	81 18
<i>formerly Hannahville (C); on boundary with McKillop and Morris Tps</i>						
WESTFIELD	.	Wawanosh E	26D	D P	43 48	81 28
<i>on boundary with West Wawanosh Tp</i>						
WINCHELSEA	70	Usborne	25C	D L P	43 19	81 23
WINGHAM	700	Turnberry	26K	D L M	43 53	81 19
WINTHROP	.	McKillop	26H	P	43 37	81 21
<i>formerly Ballybay (C1)</i>						
WROXETER	600	Howick	26L	D L B	43 52	81 09
ZETLAND	60	Turnberry	26K	D L P	43 54	81 21
ZURICH	200	Hay	25B	D L M	43 26	81 37

Note: Lat = Latitude; Long. = Longitude.

Three primary sources were used to generate this list of places for 1871:

R.G. Dun and Co.'s Mercantile Agency Reference Book (D);

Lovell's Canadian Dominion Directory for 1871 (L);

Canadian Almanac and Repository of Useful Knowledge 1871 (P for ordinary post office, M for post office that could issue money orders, B for post office with savings bank function).

Industry Types

Using the Standard Industrial Classification (SIC) code of each record and the more generalized Major Industry Group (SEC), it is possible to describe and compare the industrial structures of places from whole provinces to local townships and villages. In classifying all the industrial establishments of Huron County, only 51 different basic SIC codes (including suffixes, but trimming compounds) are used (Table A-3). In all of Ontario, a total of 172 such codes are used, and 196 in all of Canada.

When Huron County's industrial structure is compared with that of all Ontario, we find that two or three sectors were distinctively stronger in the county than generally in the province. Figure 2 has been designed to show these differences as clearly as possible, using major industry groups (SECs in the database). The unshaded section at the top of the Huron and Goderich bars refers to mineral extraction, specifically salt. Huron County was most remarkable for the strength of its salt extraction industry, concentrated in Goderich but also found in other localities such as Tuckersmith and Colborne townships and Seaforth village. The wood processing and blacksmith sectors were relatively stronger in Huron County than in the province as a whole. Otherwise the mix of industry types was fairly characteristic of rural Ontario, except that textiles and the metals and machinery sectors were significantly smaller in Huron County than in the province at large. The diagram also illustrates the industrial structure of Goderich separately, with its distinctive concentrations of salt extraction and processing and of primary metals.

Size of Establishment

Most of Huron County's industrial establishments were very small craftshops - blacksmiths, tinsmiths, bakers, saddlers, shoemakers, tailors, milliners, weavers and knitters, coopers, carpenters, carriage and wagon makers. Eighty-five per cent of workplaces had five or fewer workers, about the same proportion as in Ontario generally. Only one establishment, the Standly Company's sawmill and stave factory in Goderich, employed more than 50 workers who used a 40-hp steam engine to produce a modest value of output. Three other businesses, a salt works and a stave factory in Seaforth and a foundry in Goderich, employed between 30 and 40 workers each. Three large flour mills in Goderich and Seaforth each employed small numbers of workers to produce at least \$100,000 worth of output.

Many industrial establishments had small values of production as well: more than one in four of Huron County's units produced less than \$500 worth of industrial output, a larger share of small producers than in Ontario as a whole. These small firms accounted for just over 1.5 per cent of the total value of production. At the other extreme, the top five enterprises reporting at least \$50,000 worth of output each in 1871 accounted for only 1.5 per cent of all the county's establishments but for 28 per cent of the total production. The full manuscript details for the 24 county businesses that either employed more than 25 workers or reported output worth over \$25,000 are reproduced here as sample records. Fourteen of these larger businesses were located in the three urban centres. Five salt works represent the 15 establishments in that distinctive local sector. Eighteen grain mills from all over the county are included, as are three sawmills or wood processing establishments, and two businesses making agricultural implements or cast iron objects. No Huron enterprises ranked among Canada's industrial leaders in 1871, calculated as those in the top one per cent of Canadian firms in all four measures of number of employees, value of fixed capital investment, gross value of production and value added in manufacturing.¹³

¹³ See Elizabeth Bloomfield and G.T. Bloomfield, Patterns of Canadian Industry in 1871: An Overview Based on the First Census of Canada (CANIND71 Research Report 12, 1990) and Industrial Leaders: The Largest Manufacturing Firms (CANIND71 Research Report 8, 1990).

CANIND71 SAMPLE RECORDS

17

proprior: RANSFORD RICHARD	typeest: SALT WORKS	refnum: 6258
cdid: 0025 ced: E-4	cdistric: HURON SOUTH	csd: TUCKERSMITH
sec: 4 sic: 079	month: 12	prop:
fixcap: 30000 floccap: 15000	typepow: STEAM	force: 26
empmen: 25 empwom: .	empboy: .	empgirl: .
totemp: 25 wages: 9000	avwage: 30.00 per worker/month	
sumrawc: 2400	sumproc: 35000	vadd: 32600
rawmatl: BRINE runitl:	rquantl: .	rvalue1: 2400
prodl: SALT punitl: BBL	pquantl: 35000	pvalue1: 35000

proprior: BUTLER JOHN	typeest: HURON SALT MF CO	refnum: 6303
cdid: 0025 ced: G-1	cdistric: HURON SOUTH	csd: GODERICH T
sec: 4 sic: 079	month: 9	prop:
fixcap: 15000 floccap: 1500	typepow: STEAM	force: 40
empmen: 9 empwom: .	empboy: .	empgirl: .
totemp: 9 wages: 3700	avwage: 45.68 per worker/month	
sumrawc: 1800	sumproc: 30000	vadd: 28200
rawmatl: BRINE runitl:	rquantl: .	rvalue1: 1800
prodl: SALT punitl: BBL	pquantl: 30000	pvalue1: 30000

comments: JOHN BUTLER - LESSER; BRINE PUMPED FROM WELL; THE FOREGOING IS THE ESTIMATE FOR THE 9 MONTHS
SUPPOSING THE CONCERN TO BE IN FULL OPERATION

proprior: PLATT MARY ANN	typeest: TECUMSETH SALT WORKS	refnum: 6338
cdid: 0025 ced: G-3	cdistric: HURON SOUTH	csd: GODERICH T
sec: 4 sic: 079	month: 12	prop: F
fixcap: 21500 floccap: 10000	typepow: STEAM	force: 225
empmen: 19 empwom: .	empboy: .	empgirl: .
totemp: 19 wages: 7500	avwage: 32.89 per worker/month	
sumrawc: 25000	sumproc: 40000	vadd: 15000
rawmatl: BRINE runitl: GAL	rquantl: 5000000	rvalue1: 25000
prodl: SALT punitl: BBL	pquantl: 50000	pvalue1: 40000

proprior: GODERICH PETROLEUM SALT WORKS	typeest: SALT WORKS	refnum: 6353
cdid: 0026 ced: A-1	cdistric: HURON NORTH	csd: COLBORNE
sec: 4 sic: 079	month: 12	prop:
fixcap: 15000 floccap: 6000	typepow: STEAM	force: 25
empmen: 16 empwom: .	empboy: .	empgirl: .
totemp: 16 wages: 7000	avwage: 36.46 per worker/month	
sumrawc: 2400	sumproc: 40000	vadd: 37600
rawmatl: BRINE runitl: GAL	rquantl: 5000000	rvalue1: 2400
prodl: SALT punitl: BBL	pquantl: 40000	pvalue1: 40000

proprior: COLEMAN & GOWANLOCK	typeest: SALT WELL & FACTORY	refnum: 6543
cdid: 0026 ced: I	cdistric: HURON NORTH	csd: SEAFORTH V
sec: 4 sic: 079	month: 12	prop:
fixcap: 35000 floccap: 23000	typepow: STEAM	force: 20
empmen: 30 empwom: .	empboy: .	empgirl: .
totemp: 30 wages: 10250	avwage: 28.47 per worker/month	
sumrawc: 1800	sumproc: 26000	vadd: 24200
rawmatl: BRINE runitl: GAL	rquantl: 300000	rvalue1: 1800
prodl: SALT punitl:	pquantl: 26000	pvalue1: 26000

proprior: HUNT ROBERT	typeest: GRIST MILL	refnum: 6223
cdid: 0025 ced: E-1	cdistric: HURON SOUTH	csd: TUCKERSMITH
sec: 5.01 sic: 105	month: 10	prop:
fixcap: 3000 flocap: .	typepow: WATER	force: .
empmen: 2 empwom: .	empboy: .	empgirl: .
totemp: 2 wages: 150	avwage: 7.50 per worker/month	
sumrawc: 29050	sumproc: 25280	vadd: -3770
rawmat1: GRAIN,WHEAT runit1: BU	rquant1: 18000	rvalue1: 26000
rawmat2: GRAIN,BARLEY runit2: BU	rquant2: 6000	rvalue2: 2000
rawmat3: GRAIN,OAT runit3: BU	rquant3: 1000	rvalue3: 450
rawmat4: PEAS runit4: BU	rquant4: 1000	rvalue4: 600
prod1: FLOUR punit1: BBL	pquant1: 3600	pvalue1: 22000
prod2: MEAL punit2: LB	pquant2: 186000	pvalue2: 2150
prod3: FEED punit3: LB	pquant3: 34000	pvalue3: 480
prod4: FEED punit4: LB	pquant4: 6000	pvalue4: 650

proprior: PARKYN JAMES ?	typeest: GRIST/FLOUR MILL	refnum: 6302
cdid: 0025 ced: G-1	cdistric: HURON SOUTH	csd: GODERICH T
sec: 5.01 sic: 105	month: 12	prop:
fixcap: 15000 flocap: 10000	typepow: W/S	force: 75
empmen: 8 empwom: .	empboy: .	empgirl: .
totemp: 8 wages: 2650	avwage: 27.60 per worker/month	
sumrawc: 465654	sumproc: 488726	vadd: 23072
rawmat1: GRAIN,WHEAT runit1: BU	rquant1: 406900	rvalue1: 447570
rawmat2: BARRELS runit2:	rquant2: 90422	rvalue2: 18084
prod1: FLOUR punit1: BBL	pquant1: 90422	pvalue1: 452110
prod2: BRAN punit2: CWT	pquant2: 40690	pvalue2: 20340
prod3: SHORTS punit3: CWT	pquant3: 16276	pvalue3: 16276

comments: JAMES PARKYN - LESSEE; THIS ESTABLISHMENT HAVING ONLY BEEN SET IN FULL OPERATION, THE ESTIMATES ARE MADE FOR THE WHOLE YEAR

proprior: SEGMILLER FRANK ?	typeest: OATMEAL/BARLEY MILL	refnum: 6559
cdid: 0026 ced: I	cdistric: HURON NORTH	csd: SEAFORTH V
sec: 5.01 sic: 105-O/105	month: 9	prop:
fixcap: 8000 flocap: 10000	typepow: STREAM	force: 25
empmen: 5 empwom: .	empboy: .	empgirl: .
totemp: 5 wages: 2500	avwage: 55.56 per worker/month	
sumrawc: 20000	sumproc: 25000	vadd: 5000
rawmat1: GRAIN,OAT,BARLEY/PEAS runit1:	rquant1: 50000	rvalue1: 20000
prod1: OATMEAL/POT BARLEY/PEAS,SPLIT punit1: BBL	pquant1: 5000	pvalue1: 25000

proprior: SHEARSON WM A & CO	typeest: FLOUR MILL	refnum: 6561
cdid: 0026 ced: I	cdistric: HURON NORTH	csd: SEAFORTH V
sec: 5.01 sic: 105	month: 12	prop:
fixcap: 20000 flocap: 40000	typepow: STREAM	force: 40
empmen: 10 empwom: .	empboy: .	empgirl: .
totemp: 10 wages: 4400	avwage: 36.67 per worker/month	
sumrawc: 100000	sumproc: 110000	vadd: 10000
rawmat1: GRAIN,WHEAT runit1:	rquant1: 80000	rvalue1: 100000
prod1: FLOUR/FEED punit1: BBL	pquant1: 18000	pvalue1: 110000

CANIND71 SAMPLE RECORDS

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proprior: LEE WILLIAM		typeest: FLOUR MILL	refnum: 6264
cdid: 0025	ced: F-1	cdistric: HURON SOUTH	csd: GODERICH TP
sec: 5.01	sic: 105	month: 12	prop:
fixcap: 6000	flocap: 25000	typepow: WATER	force: .
empmen: 3	empwom: .	empboy: .	empgirl: .
totemp: 3	wages: 1280	avwage: 35.56 per worker/month	
sumrawc: 150000		sumproc: 150000	vadd: 0
rawmat1: N/G	runit1: BU	rquant1: 150000	rvalue1: 150000
prod1: FLOUR	punit1:	pquant1: 30000	pvalue1: 150000

proprior: SOMERVILLE JOHN B		typeest: FLOUR/GRIST MILL	refnum: 6285
cdid: 0025	ced: G-1	cdistric: HURON SOUTH	csd: GODERICH T
sec: 5.01	sic: 105	month: 12	prop:
fixcap: 5000	flocap: 2000	typepow: STREAM	force: 40
empmen: 3	empwom: .	empboy: .	empgirl: .
totemp: 3	wages: 1200	avwage: 33.33 per worker/month	
sumrawc: 39000		sumproc: 38701	vadd: -299
rawmat1: GRAIN,WHEAT	runit1: BU	rquant1: 30000	rvalue1: 36000
rawmat2: GRAIN,BARLEY,OAT/PEAS	runit2: BU	rquant2: 16000	rvalue2: 3000
prod1: FLOUR,ASSORTED	punit1: BBL	pquant1: 6122	pvalue1: 35201
prod2: CHOPPED STUFF/FEED	punit2:	pquant2: .	pvalue2: 3500
comments: THE PROFIT MADE CONSISTS OF THE TOLL BUSINESS FOR GRISTING			

proprior: LEECH EDWARD		typeest: GRIST MILL	refnum: 6643
cdid: 0026	ced: L-1	cdistric: HURON NORTH	csd: HOWICK
sec: 5.01	sic: 105	month: 12	prop:
fixcap: 8000	flocap: 500	typepow: WATER	force: 50
empmen: 2	empwom: .	empboy: .	empgirl: .
totemp: 2	wages: 700	avwage: 29.17 per worker/month	
sumrawc: 25000		sumproc: 28065	vadd: 3065
rawmat1: GRAIN,WHEAT,OTHER	runit1: BU	rquant1: 35424	rvalue1: 25000
prod1: FLOUR	punit1: LB	pquant1: 825280	pvalue1: .
prod2: FEED	punit2: LB	pquant2: 543330	pvalue2: .
comments: EDWARD LEECH - TENANT, ROBERT LEECH - OWNER			

proprior: GIBSON THOMAS & ROBERT		typeest: GRIST MILL	refnum: 6699
cdid: 0026	ced: L-3	cdistric: HURON NORTH	csd: HOWICK
sec: 5.01	sic: 105	month: 12	prop:
fixcap: 2000	flocap: 150	typepow: WATER	force: 40
empmen: 2	empwom: .	empboy: .	empgirl: .
totemp: 2	wages: 500	avwage: 20.83 per worker/month	
sumrawc: 20000		sumproc: 26650	vadd: 6650
rawmat1: GRAIN,WHEAT,OAT,BARLEY/PEAS	runit1: BU	rquant1: 24000	rvalue1: 20000
prod1: FLOUR	punit1:	pquant1: 4800	pvalue1: 26400
prod2: GRAIN,COARSE	punit2:	pquant2: 500	pvalue2: 250
comments: WROXETER VILLAGE			

CANIND71 SAMPLE RECORDS

proprior: HARRIS WILLIAM	typeest: GRIST MILL	refnum: 6367
cdid: 0026 ced: B-1	cdistric: HURON NORTH	csd: ASHFIELD
sec: 5.01 sic: 105	month: 12	prop:
fixcap: 4000 floccap: 400	typepow: WATER	force: 40
empmen: 2 empwom: .	empboy: .	empgirl: .
totemp: 2 wages: 500	avwage: 20.83 per worker/month	vadd: 3000
sumrawc: 22000	sumproc: 25000	rvalue1: 22000
rawmatl: GRAIN,WHEAT runitl: BU	rquantl: 22000	pvalue1: 25000
prodl: GRISTING punitl:	pquantl: 5000	
proprior: FAIR JAMES	typeest: FLOUR/GRIST MILL	refnum: 6471
cdid: 0026 ced: F-1	cdistric: HURON NORTH	csd: CLINTON V
sec: 5.01 sic: 105	month: 12	prop:
fixcap: 10000 floccap: 12000	typepow: STEAM	force: 45
empmen: 6 empwom: .	empboy: .	empgirl: .
totemp: 6 wages: 2100	avwage: 29.17 per worker/month	vadd: -16635
sumrawc: 52325	sumproc: 35690	rvalue1: 52325
rawmatl: GRAIN,WHEAT runitl:	rquantl: 45500	pvalue1: 35690
prodl: FLOUR punitl:	pquantl: 9580	
proprior: WHITEHEAD JOSEPH	typeest: FLOUR MILL	refnum: 6489
cdid: 0026 ced: F-2	cdistric: HURON NORTH	csd: CLINTON V
sec: 5.01 sic: 105	month: 12	prop:
fixcap: 22500 floccap: 4000	typepow: STEAM	force: 35
empmen: 5 empwom: .	empboy: .	empgirl: .
totemp: 5 wages: 1500	avwage: 25.00 per worker/month	vadd: 5000
sumrawc: 50000	sumproc: 55000	rvalue1: 50000
rawmatl: GRAIN,WHEAT runitl: BU	rquantl: 50000	pvalue1: 55000
prodl: FLOUR punitl: BBL	pquantl: 10000	
proprior: RACEY J B	typeest: GRIST/OATMEAL MILL	refnum: 6492
cdid: 0026 ced: F-2	cdistric: HURON NORTH	csd: CLINTON V
sec: 5.01 sic: 105/105-0	month: 12	prop:
fixcap: 10000 floccap: 3000	typepow: STEAM	force: 40
empmen: 4 empwom: .	empboy: .	empgirl: .
totemp: 4 wages: 1500	avwage: 31.25 per worker/month	vadd: 20000
sumrawc: 30000	sumproc: 50000	rvalue1: 30000
rawmatl: GRAIN runitl: BU	rquantl: 40000	pvalue1: 50000
prodl: FLOUR/OATMEAL/CORNMEAL punitl: BBL	pquantl: 40000	
proprior: SHERIFF CHARLES	typeest: GRIST MILL	refnum: 6497
cdid: 0026 ced: G-2	cdistric: HURON NORTH	csd: MORRIS
sec: 5.01 sic: 105	month: 12	prop:
fixcap: 6000 floccap: 130	typepow: STEAM	force: 35
empmen: 3 empwom: .	empboy: .	empgirl: .
totemp: 3 wages: 400	avwage: 11.11 per worker/month	vadd: 4000
sumrawc: 30000	sumproc: 34000	rvalue1: 30000
rawmatl: GRAIN runitl: BU	rquantl: 31300	pvalue1: 34000
prodl: FLOUR punitl:	pquantl: .	
proprior: KELLY PATRICK	typeest: FLOUR MILL	refnum: 6507
cdid: 0026 ced: G-3	cdistric: HURON NORTH	csd: MORRIS
sec: 5.01 sic: 105	month: 11	prop:
fixcap: 8600 floccap: .	typepow: STEAM	force: 35
empmen: 4 empwom: .	empboy: .	empgirl: .
totemp: 4 wages: 1400	avwage: 31.82 per worker/month	vadd: 10000
sumrawc: 26000	sumproc: 36000	rvalue1: 26000
rawmatl: GRAIN runitl:	rquantl: 25000	pvalue1: 36000
prodl: FLOUR punitl: BBL	pquantl: 5000	

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proprior:	KIDD JOSEPH	typeest:	SAW MILL	refnum:	6514
cdid:	0026	ced:	H-1	cdistric:	HURON NORTH
sec:	5.08	sic:	251	month:	6
fixcap:	5000	flocap:	8000	typepow:	STEAM
empmen:	9	empwom:	.	empboy:	.
totemp:	9	wages:	2000	avwage:	37.04 per worker/month
sumrawc:	14000	sumproc:	28000	vadd:	14000
rawmatl:	LOGS,PINE,HEMLOCK	runitl:	rquantl: 175000	rvalue1:	14000
prodl:	LUMBER,PINE,HEMLOCK	punitl:	FT BM	pquantl:	4666000
comments:	CUTS AND HAULS THE PINE LOGS FROM THE SWAMP, PURCHASES THE HEMLOCK LOGS FROM THE FARMERS				

proprior:	ELDER	JOHN	typeest:	STAVE FCY/COOPERAGE	refnum:	6540	
cdid:	0026	ced:	I	cdistric:	HURON NORTH	csd:	SEAFORTH V
sec:	5.08	sic:	251/259-C	month:	12	prop:	
fixcap:	8000	flocap:	2000	typepow:	STEAM	force:	21
empmen:	30	empwom:	.	empboy:	10	empgirl:	.
totemp:	40	wages:	7000	avwage:	14.58 per worker/month		
sumrawc:	5000			sumproc:	16000	vadd:	11000
rawmat1:	WOOD,ELM,BASS,ASH	runit1:	CD	rquant1:	2000	rvalue1:	5000
prod1:	STAVES	punit1:		pquant1:	1500000	pvalue1:	.
prod2:	HRADINGS	punit2:		pquant2:	100000	pvalue2:	.

prior: STANDLY & CO		typeest: SAW MILL/STAVE & HEADING		refnum: 6337
cdid: 0025	ced: G-3	cdistric: HURON SOUTH	csd: GODERICH T	
sec: 5.08	sic: 251	month: 10	prop: 	
fixcap: 20000	flocap: 15000	typepow: STEAM	force: 40	
empmen: 30	empwom: .	empboy: 30	empgirl: .	
totemp: 60	wages: 12000	avwage: 20.00 per worker/month		
sumrawc: 30500		sumproc: 48000	vadd: 17500	
rawmat1: LOGS/BOLTS	runit1: 	rquant1: .	rvalue1: 30500	
prod1: HOOPS	punit1: 	pquant1: 3000000	pvalue1: 15000	
prod2: STAVES	punit2: 	pquant2: 3000000	pvalue2: 13000	
prod3: HEADINGS	punit3: SET	pquant3: 1000000	pvalue3: 5000	
prod4: LUMBER	punit4: FT	pquant4: 3000000	pvalue4: 15000	

proprior:	MARTIN	JOHN	typeest:	WOODWORKER/AG IMPLS	refnum:	6563	
cdid:	0026	ced:	I	cdistric:	HURON NORTH	csd:	SEAFORTH V
sec:	5.14	sic:	311	month:	8	prop:	
fixcap:	1000	flocap:	1000	typepow:	STEAM	force:	6
empmen:	2	empwom:	.	empboy:	.	empgirl:	.
totemp:	2	wages:	500	avwage:	31.25 per worker/month		
sumrawc:	5000			sumproc:	25000	vadd:	20000
rawmatl:	WOOD,HARD	runitl:		rquantl:	5000	rvalue1:	5000
prodl:	IMPLEMENTS	punitl:		pquantl:	500	pvalue1:	25000

proprior:	RUNCIMAN	ROBERT	typeest:	FOUNDRY	refnum:	6330	
cdid:	0025	ced:	G-3	cdistric:	HURON SOUTH	csd:	GODERICH T
sec:	5.12	sic:	294	month:	12	prop:	
fixcap:	12000	flocap:	14000	typepow:	STEAM	force:	12
empmen:	30	empwom:	.	empboy:	6	empgirl:	.
totemp:	36	wages:	12000	avwage:	27.78 per worker/month		
sumrawc:	16550			sumproc:	33000	vadd:	16450
rawmat1:	IRON,PIG	runit1:	TON	rquant1:	100	rvalue1:	2500
rawmat2:	BOILER PLATE	runit2:	TON	rquant2:	200	rvalue2:	13000
rawmat3:	RIVETS	runit3:	TON	rquant3:	5	rvalue3:	600
rawmat4:	IRON,BAR	runit4:	TON	rquant4:	6	rvalue4:	450
prodl:	CASTINGS/PANS,SALT/GENERAL WORK			pquant1:	.	pvalue1:	33000

Table 6
6a. ONTARIO INDUSTRIAL ESTABLISHMENTS, 1871
BY FIRM SIZE OR NUMBERS OF EMPLOYEES PER FIRM

Firm size # employees	Establishments % total	Employment % total	Production % total	Value Added % total
<u>small</u>				
1	39.8	9.0	6.1	6.2
2 - 5	45.3	28.5	29.9	25.7
<u>medium</u>				
6 - 50	14.1	40.1	44.2	44.6
<u>large</u>				
50+	0.8	22.4	19.8	23.5
TOTALS	100.0	100.0	100.0	100.0

6b: HURON COUNTY INDUSTRIAL ESTABLISHMENTS, 1871
BY FIRM SIZE OR NUMBERS OF EMPLOYEES PER FIRM

Firm size # employees	Establishments % total	Employment % total	Production % total	Value Added % total
<u>small</u>				
1	38.0	11.8	7.9	9.2
2 - 5	47.5	42.4	43.6	40.6
<u>medium</u>				
6 - 25	13.8	37.9	44.5	43.6
26 - 50	0.4	5.0	2.5	5.0
<u>large</u>				
50+	0.1	2.8	1.6	1.7
TOTALS	100.0	100.0	100.0	100.0

Power Technology

Both water-power and steam-power were relatively more important in Huron than in some other regions: waterwheels supported nearly 35 per cent of the value of output compared with an Ontario mean of 29 per cent while steam engines supported over 42 per cent compared with a provincial mean of 36 per cent. Huron ranked fourth among all Ontario counties in the number of horse-power units of steam engines used in industrial establishments.¹⁴ Nearly three in ten industrial firms in Huron County in April 1871 reported using inanimate power other than the power of human workers or draft animals. And such firms were disproportionately important in employment, investment and production. Enterprises using waterwheels and steam engines employed nearly one in two industrial workers, reported more than 75 per cent of fixed capital

¹⁴ See G.T. Bloomfield, Water Wheels and Steam Engines: Powered Establishments of Ontario (CANIND71 Research Report 2, 1989).

invested in industry and accounted for nearly 77 per cent of the value of industrial production. Table A-5 lists the 70 establishments reporting water or steam power of at least 25 horsepower capacity, ranked by number of horsepower units.

Work Environments

The CANIND71 database provides a snapshot of the transition from artisanal craftshops to factories using machinery and integrated work processes. A useful concept in understanding this transition is the **work environment**, which combines measures of the size of the workplace with the extent to which non-manual power was used in the industrial process. Powered and non-powered work environments are classified as to the size of their workforces, in four size classes: 1-5 workers, 6-25 workers, 26-50 workers, and 51 or more workers. Powered establishments with at least 26 workers are called **factories**, while **manufactories** are non-powered workplaces with at least 26 workers. Smaller powered establishments are called **mills** if they had from 6 to 25 workers, **powered craftshops** if they had 5 or fewer workers.

Workplaces using only hand or horse power are called **artisans' craftshops** if they employed 5 or fewer. Slightly larger craftshops, without water or steam power and employing between 6 and 25 workers, have been called **sweatshops** in the context of a large city. **Outworkers**, who toiled at home under the putting-out system, would be included with the artisans' craftshops, from which it is hard to distinguish them on

USE OF POWER			
		non-powered (hand/horse only)	powered by water or steam
SIZE OF WORKFORCE	51+	MANUFACTORIES (larger)	FACTORIES (larger)
	26-50	MANUFACTORIES (smaller)	FACTORIES (smaller)
	6-25	SWEATSHOPS and larger CRAFTSHOPS	MILLS
	1-5	ARTISANS' CRAFTSHOPS	POWERED WORKSHOPS, smaller MILLS
		non-powered (hand/horse only)	powered by water or steam

Table 7
DISTRIBUTION OF WORKERS IN WORK ENVIRONMENTS, 1871

Work Environment (# employees)	Rural Ontario	Urban Ontario	Urban Huron County	Rural Huron County
Non-Powered	%	%	%	%
Artisans (1-5 emp)	45.4	17.8	25.2	46.2
Sweatshops (6-25 emp)	5.8	20.2	24.3	6.1
Manufactories (26-50 emp)	0.3	4.8	-	-
Manufactories (>51 emp)	0.5	5.5	-	-
Sub-Total	52.0	48.3	49.5	52.3
Powered				
Small (1-5 emp)	15.8	3.2	4.0	23.4
Medium (6-25 emp)	19.6	13.0	25.8	24.4
Factories (26-50 emp)	5.4	8.3	13.2	-
Factories (>51 emp)	7.2	27.2	7.5	-
Sub-Total	48.0	51.7	50.5	47.8
TOTAL	100.0	100.0	100.0	100.0

census manuscript evidence alone.¹⁵ We note that the terms used to describe the eight types of work environment do not necessarily match contemporary usage in 1871, when factories, manufactories and shops were generic terms used interchangeably for all sizes of establishment. Our transcription of the natural language used by the census enumerators allows readers to note this terminology in the (TYPEEST) Type of Establishment data in the Appendix tables of this report.

How significant were the various work environments in Huron County in 1871? As Table 7 shows, the proportions of Huron County employees in powered and non-powered workplaces were very close to the Ontario means, in both rural areas and urban centres. Their workplaces were notably smaller than the Ontario means, generally in urban centres and for non-powered establishments in rural districts.

Very few women and girls worked in Huron County's mills and shops; they formed only 7 per cent of the industrial workforce compared with the Ontario average of over 14 per cent. Table A-6 lists the 33 workplaces that each reported at least two female workers. Typically, most of these were in the clothing (17) or textile (9) sectors and over half were located in the urban centres.

¹⁵ For more discussion of this concept see Patterns of Canadian Industry in 1871 (Report 12) and Elizabeth Bloomfield and G.T. Bloomfield, Canadian Women in Workshops, Mills and Factories: The Evidence of the 1871 Census Manuscripts (CANIND71 Research Report 11, 1991).

Appendix Tables

This county report presents several kinds of tabulations which are briefly introduced here. In understanding the abbreviated code names of database variables, users are referred to Table 3 on page 7, for the Standard Industrial Classification codes to Table 1 on page 5, and for the Major Industry Groups to Table 2 on page 6.

Table A-1: Huron County: Geographical Summary of Firms, 1871

Summary data for each Census Sub-District (CSD), including horse-power units of non-manual power, value of fixed and floating capital, numbers of employees (men, women, boys, girls and total), annual wages paid, costs of raw materials, gross value of production, value added in manufacturing, and number of establishments. Data are totalled for each Census District (or part thereof) in the county, and totalled for the whole county. See Figure 1 for a map of CSDs and pp. 9-12 for discussion of the distribution of industrial activity.

Table A-2: Huron County: Industrial Structure, 1871

Summary data for each Major Industry Group, including numbers and percentages of establishments, horse-power units, value of fixed capital, total employment, gross value of production, and value added in manufacturing. See Figure 2 for diagrammatic representations for the employment structure by Major Industry Groups of Huron County and Goderich in relation to the structure for all of Ontario in 1871.

Table A-3: Basic SIC codes for Huron County, 1871

Summary data for each Standard Industrial Classification type (including code suffixes but trimming compounds). For discussion of SIC types, see pp. 4-5 and p. 12.

Table A-4: Listings of Individual Establishments, Ranked by Value of Output, for Various SIC Types, 1871

Data for salt works; cheese factories; grain mills; tanneries; saddlers; bootmakers; textile mills and weavers; clothing shops; sawmills and wood processing; furniture shops; tinsmiths; machinery producers; carriage and wagon makers; non-metallic mineral processing; and blacksmiths.

Table A-5: Huron County: Firms Using Inanimate Power, 1871

Data for individual establishments reporting at least 25 horsepower units of water or steam power, ranked by horsepower units.

Table A-6: Huron County: Firms Employing at least Two Females in 1871

Data for individual establishments, ranked by number of women and girls employed. Note use of FEMALE (total number of women and girls employed) as variable in this table only.

Table A-7: Huron County: Firms by Name of Proprietor, 1871

Data for individual establishments in alphabetical order of proprietor's name.

Table A-8: Urban Centres: Firms by Name of Proprietor, 1871

Data for individual establishments in alphabetical order of proprietor's name - Goderich, Seaforth, Clinton.

HURON COUNTY: GEOGRAPHICAL SUMMARY OF FIRMS, 1871

CDID	CED	CSD	FORCE	FIXCAP	FLOCAP	EMP MEN	EMP WOM	EMP BOY	EMP GIRL	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD	OBSERV
O025	A	STEPHEN	262	44765	20232	129	7	3	.	139	21805	62274	122141	58887	48
O025	B	HAY	348	41745	20330	86	4	2	.	92	11244	39550	79169	39149	46
O025	C	USBORNE	35	16600	5374	63	3	3	.	69	8049	15077	37235	19778	38
O025	D	STANLEY	233	31270	15186	75	5	10	.	90	11814	49874	59296	-458	43
O025	E	TUCKERSMITH	128	65190	29030	125	8	7	3	143	20551	84215	150457	63562	41
O025	F	GODERICH TP	76	26170	27600	31	6	3	.	40	3980	170097	183006	9434	21
O025	G	GODERICH T	561	231210	129616	307	33	46	3	389	101823	660826	897097	224381	65
O025			1643	456950	247368	816	66	74	6	962	179266	1081913	1528401	414733	302
O026	A	COLBORNE	193	93560	18815	85	.	4	.	89	23436	30990	148973	117183	18
O026	B	ASHFIELD	329	38975	9558	42	2	.	.	44	5920	48920	69382	19962	29
O026	C	WAWANOSH W	112	18150	5950	30	2	3	.	35	6825	13275	33100	19825	16
O026	D	WAWANOSH E	78	11336	2830	36	1	4	.	41	5643	6027	16981	10679	19
O026	E	HULLETT	296	33633	6020	67	1	4	.	72	9340	46745	71234	21089	38
O026	F	CLINTON V	274	113300	64700	140	9	8	2	159	50382	177865	275530	75965	26
O026	G	MORRIS	177	32200	4950	41	3	4	.	48	7450	70684	105047	34138	19
O026	H	MCKILLOP	109	17771	20750	35	3	3	.	41	6225	45618	67741	22123	10
O026	I	SEAFORTH V	183	129100	129090	193	43	20	.	256	57606	210525	349160	132835	48
O026	J	GREY	227	64780	30575	83	1	2	.	86	15690	37785	75010	35625	21
O026	K	TURNBERRY	244	53260	37003	105	4	13	2	124	20728	67210	132893	64658	46
O026	L	HOWICK	405	68918	31968	131	11	15	4	161	23092	101863	179632	70569	81
O026			2627	674983	362209	988	80	80	8	1156	232337	857507	1524683	624651	371
			4270	1131933	609577	1804	146	154	14	2118	411603	1939420	3053084	1039384	673

HURON COUNTY: MAJOR INDUSTRY GROUPS, 1871

SEC	OBSERV		FORCE		FIXCAP		TOTEMP		SUMPROC		VADD	
	SUM	PERC- ENT	SUM	PERC- ENT	SUM	PERC- ENT	SUM	PERC- ENT	SUM	PERC- ENT	SUM	PERC- ENT
4	15	2.2	463	10.8	193100	17.1	163	7.7	284540	9.3	243815	23.5
5.01	63	9.4	1229	28.8	281950	24.9	186	8.8	1487583	48.7	126776	12.2
5.04	102	15.2	85	2.0	107603	9.5	212	10.0	209318	6.9	96159	9.3
5.05	50	7.4	289	6.8	44454	3.9	127	6.0	83692	2.7	20608	2.0
5.07	44	6.5	.	.	52620	4.6	128	6.0	70675	2.3	27175	2.6
5.08	133	19.8	2008	47.0	279130	24.7	622	29.4	494161	16.2	260256	25.0
5.09	19	2.8	58	1.4	29300	2.6	65	3.1	50936	1.7	34291	3.3
5.11	2	0.3	.	.	3000	0.3	16	0.8	7000	0.2	4800	0.5
5.12	2	0.3	27	0.6	13500	1.2	40	1.9	35000	1.1	17750	1.7
5.13	19	2.8	19	0.4	15650	1.4	35	1.7	26905	0.9	13632	1.3
5.14	22	3.3	68	1.6	30110	2.7	86	4.1	94802	3.1	52948	5.1
5.15	62	9.2	10	0.2	41900	3.7	166	7.8	91980	3.0	64827	6.2
5.17	38	5.6	14	0.3	8246	0.7	105	5.0	26150	0.9	16879	1.6
5.19	8	1.2	.	.	2000	0.2	11	0.5	6872	0.2	4445	0.4
5.2	2	0.3	.	.	700	0.1	4	0.2	4730	0.2	2770	0.3
6	8	1.2	.	.	1100	0.1	23	1.1	10430	0.3	7127	0.7
8	2	0.3	.	.	200	0.0	2	0.1	555	0.0	.	.
10	82	12.2	.	.	27370	2.4	127	6.0	67755	2.2	45126	4.3
ALL	673	100.0	4270	100.0	1131933	100.0	2118	100.0	3053084	100.0	1039384	100.0

BASIC SIC CODES FOR HURON COUNTY, 1871

SIC	OBSERV	FORCE	FIXCAP	FLOCAP	EMP MEN	EMP WOM	EMP BOY	EMP GIRL	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
079	15	463	193100	84000	163	0	0	.	163	56240	40725	284540	243815
101-P	1	.	4000	4000	4	0	0	.	4	223	4000	5000	1000
104	9	.	10600	6004	21	9	3	1	34	4062	19807	28534	7727
105	39	1198	232300	135495	99	0	4	.	103	29862	1282189	1371722	88533
105-O	1	25	8000	10000	5	0	0	.	5	2500	20000	25000	5000
107	6	.	19000	6700	8	1	3	1	13	2220	24382	38427	14045
108	1	.	600	100	4	0	5	.	9	40	60	300	240
108-C	1	.	400	500	2	0	3	.	2	300	1300	1700	400
109-B	3	2	5500	1200	6	0	3	.	9	1200	1469	8000	5531
109-C	1	4	50	40	2	0	2	.	4	40	600	900	300
109-S	1	.	1500	.	3	0	0	.	3	990	4000	8000	4000
172	22	85	69150	13374	45	1	4	1	51	9963	48986	82873	34077
174	55	.	24818	30740	102	1	4	.	107	24217	40928	83615	41157
179-S	25	.	13635	15190	51	0	3	.	54	9997	19905	42830	20925
182	8	162	23800	6050	31	14	7	1	53	9205	31910	51720	13480
182-W	33	.	1354	463	27	23	0	1	51	1277	7929	16102	4548
189-W	9	127	19300	1500	17	1	5	.	23	430	11270	15870	2580
242	21	.	11670	6935	24	36	1	2	63	10814	18650	37885	14210
243	9	.	2150	1390	8	11	1	.	20	3366	7395	18210	10315
244	7	.	2100	1550	0	16	0	1	17	1080	6980	3000	1450
246	1	.	35000	25000	1	0	0	.	1	450	2400	4600	1200
249-M	6	.	1700	2750	0	27	0	.	27	676	181485	368471	188286
251	84	1809	239140	109245	390	3	47	.	440	75778	6928	23146	16218
251-S	9	107	12800	3625	31	0	13	4	48	5411	8085	22420	14335
254	7	42	11050	9225	26	1	2	.	29	6532	200	450	250
256	1	4	500	200	2	0	0	.	8	717	233	2150	1817
259	6	8	3190	180	8	0	0	.	92	26667	32159	75874	38065
259-C	25	30	10450	12985	85	0	7	.	3	1000	365	1650	1285
259-W	1	8	2000	600	3	0	0	.	65	17409	13645	50936	34291
261	19	58	29300	8046	63	0	2	.	16	3200	2200	7000	4800
289	2	.	3000	1000	10	0	6	.	40	12800	17250	35000	17750
294	2	27	13500	14500	34	0	6	.	30	7495	11759	23890	12131
304-T	15	.	13010	7650	28	0	2	.	2	120	19	390	91
306	2	.	40	30	2	0	0	.	2	360	165	625	460
306-T	1	13	600	.	2	0	0	.	2	360	1050	2000	950
307-S	1	6	2000	1500	1	0	0	.	1	360	13229	86131	46902
311	12	64	25420	32050	69	0	0	.	69	21964	2625	8671	6046
315-P	10	4	4690	1192	16	0	1	.	17	2083	21753	88280	62927
329	60	10	41100	30370	158	0	2	.	160	28188	1800	3700	1900
329-P	2	.	800	400	6	0	0	.	6	800	590	14125	7985
351-B	12	13	5100	1520	55	1	6	2	64	4810	25	1200	275
351-P	3	1	500	100	2	0	0	.	39	2596	1746	10825	8619
358-L	23	.	2646	1053	31	1	7	.	2	740	1600	3800	2200
376	1	.	400	200	2	0	0	.	9	715	827	3072	2245
378-P	7	.	1600	500	9	0	0	.	3	1092	1760	4000	2240
399-B	1	.	500	500	1	0	2	.	1	391	200	730	530
399-P	1	.	200	100	1	0	0	.	23	4418	4743	10430	7127
421-C	8	.	1100	2600	22	0	1	.	2	.	.	555	.
695	2	.	200	300	2	0	0	.	1	16505	19974	66955	44976
893	1	.	300	200	1	0	5	.	125	.	150	300	150
896	80	.	27020	16625	120	0	0	.	1	.	150	300	150
897-G	1	.	50	100	1	0	0	.	1	.	150	300	150
	673	4270	1131933	609577	1804	146	154	14	2118	411603	1939420	3053084	1039384

HURON COUNTY: SALT WORKS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUNRAWC	SUMPROC	VADD
0025	G-3	PLATT	MARY AN	079	21500	STEAM	225	19	7500	25000	40000	15000
0026	A-1	GODERICH	SALT WORKS	079	15000	STEAM	25	16	7000	2400	40000	37600
0025	E-4	RANSFORD	SALT WORKS	079	30000	STEAM	26	25	9000	2400	35000	32600
0025	G-1	BUTLER	JOHN	079	15000	STEAM	40	9	3700	1800	30000	28200
0026	I	COLEMAN & GOWANLO	SALT WELL	079	35000	STEAM	20	30	10250	1800	26000	24200
0026	A-1	DETITOR SAMUEL	SALT MANUFACTORY	079	10000	STEAM	10	9	2500	1200	20000	18800
0026	F-2	MCGARVA & COMBE	SALT WELL	079	12000	STEAM	12	8	3000	1200	20000	18800
0026	A-1	DAVIS & SHEMATH	SALT MANUFACTORY	079	100			3	900	1200	16000	14800
0026	A-1	KIRKPATRICK & SUG	SALT MANUFACTORY	079	8000	STEAM	25	5	2000	800	13000	12200
0025	G-1	SMITH W G	VICTORIA SALT MF	079	10000	STEAM	20	7	3000	750	11700	10950
0025	G-3	WHITEBY & STURDY	DOMINION SALT WO	079	12000	STEAM	30	7	2190	525	10500	9975
0025	G-3	KAY	ONTARIO SALT WOR	079	10000	STEAM	30	6	2000	500	8000	7500
0025	G-3	MCLEAN	SALT WORKS	079	3500			6	2000	500	7000	6500
0025	G-3	STANDLY & CO	STANDLY SALT WOR	079	10000			10	900	500	5000	4500
0026	A-1	LASOME RICHARD ?	SALT MANUFACTORY	079	1000			3	300	150	2340	2190
					193100		463	163	56240	40725	284540	243815

HURON COUNTY: CHEESE FACTORIES, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUNRAWC	SUMPROC	VADD
0025	E-1	MALCOLM ANDREW	CHEESE FACTORY	104	1700			7	928	6160	8870	2710
0025	E-2	HICKSON JOHN & CO	CHEESE FACTORY	104	2000			5	1000	5840	8300	2460
0025	E-4	FOWLER WILLIAM	CHEESE FACTORY	104	2200			6	600	2720	3900	1180
0025	A-1	MANNING RICHARD	CHEESE FACTORY	104	2200			4	800	1522	2644	1122
0025	C-1	HUNTER JOHN	CHEESE FACTORY	104	1400			2	100	1620	1800	180
0025	C-1	COOK THOMAS	CHEESE FACTORY	104	400			1	24	1315	1500	185
0025	D-3	WELLS THOMAS	CHEESE FACTORY	104	100			4	500		1000	
0025	B-3	MERNIER GOTTILIEB	CHEESE FACTORY	104	200			1	60	240	300	60
0026	L-2	ELLIOT JOHN	CHEESE FACTORY	104	400			4	50	390	220	-170
					10600		0	34	4062	19807	28534	7727

HURON COUNTY: GRAIN MILLS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0025	G-1	PARKYN	JAMES ?	105	15000	W/S	75	8	2650	465654	488726	23072
0025	F-1	LEE WILLIAM	FLOUR MILL	105	6000	WATER	.	3	1280	150000	150000	0
0026	I	SHEARSON WM A &	FLOUR MILL	105	20000	STEAM	40	10	4400	100000	110000	10000
0026	F-2	WHITEHEAD JOSEPH	FLOUR MILL	105	22500	STEAM	35	5	1500	50000	55000	5000
0026	F-2	RACEY J B	GRIST/OATMEAL MI	105/105-0	10000	STEAM	40	4	1500	30000	50000	20000
0025	G-1	SOMERVILLE JOHN B	FLOUR/GRIST MILL	105	5000	STEAM	40	3	1200	39000	38701	-299
0026	G-3	KELLY PATRICK	FLOUR MILL	105	8600	STEAM	35	4	1400	26000	36000	10000
0026	F-1	FAIR JAMES	FLOUR/GRIST MILL	105	10000	STEAM	45	6	2100	52325	35690	-16635
0026	G-2	SHERIFF CHARLES	GRIST MILL	105	6000	STEAM	35	3	400	30000	34000	4000
0026	L-1	LEECH EDWARD	GRIST MILL	105	8000	WATER	50	2	700	25000	28065	3065
0026	L-3	GIBSON T & R	GRIST MILL	105	2000	WATER	40	2	500	20000	26650	6650
0025	E-1	HUNT ROBERT	GRIST MILL	105	3000	WATER	.	2	150	29050	25280	-3770
0026	B-1	HARRIS WILLIAM	GRIST MILL	105	4000	WATER	40	2	500	22000	25000	3000
0026	I	SEGILLER FRANK ?	OATMEAL/BARLEY M	105-0/105	8000	STEAM	25	5	2500	20000	25000	5000
0025	A-2	EDT JACOB L	GRIST MILL	105	1000	STEAM	30	3	600	18000	22100	4100
0025	D-3	THOMSON JAMES	GRIST MILL	105	6000	WATER	40	2	700	20000	22000	2000
0026	K-2	GREGORY JOHN	FLOUR/OATMEAL MI	105/105-0	10000	WATER	40	3	500	15000	22000	7000
0025	A-1	HILDRIETH HENRY	GRIST MILL	105	4500	STEAM	35	2	622	18180	21000	2820
0026	I	MARSHALL WALTER	FLOUR MILL	105	6000	STEAM	35	4	1250	17980	20730	2750
0026	H-2	ROCK GEORGE	GRIST MILL	105	7000	W/S	25	2	480	19500	19550	50
0025	F-3	CHARLESWORTH HENR	FLOUR MILL	105	9000	WATER	20	2	300	15000	16800	1800
0026	E-4	PENNINGTON THOMAS	GRIST MILL	105	5000	WATER	60	1	480	13500	14625	1125
0026	K-1	LUCH W H & CO ?	GRIST MILL	105	3000	WATER	.	1	500	12000	13200	1200
0026	E-4	DICKSON JOHN	GRIST MILL	105	5000	WATER	30	1	500	10500	11375	875
0026	B-2	CRAWFORD JAMES	GRIST MILL	105	2000	WATER	20	2	720	10000	10720	720
0026	E-4	TAYLOR HANNAH	GRIST MILL	105	5000	WATER	24	1	400	9000	9750	750
0025	B-2	CARRICK WILLIAM	GRIST MILL	105	3000	STEAM	62	1	350	7500	9500	2000
0025	E-3	VAN EGMOND CONSTA	GRIST MILL	105	3000	WATER	12	2	800	8000	9360	1360
0026	B-2	FRASER ALEXANDER	GRIST MILL	105	2000	STEAM	18	4	500	7800	9360	1560
0026	L-1	FEREND CHARLES	GRIST MILL	105	3000	WATER	40	2	200	6500	7450	950
0026	L-1	WILSON THOMAS	GRIST MILL	105	8000	WATER	30	2	50	6200	7440	1240
0026	K-2	FISHER PETER	FLOUR MILL	105	6000	WATER	40	2	800	2500	6000	3500
0025	B-2	FRIED ABSOLOM & N	GRIST MILL	105	2000	STEAM	25	1	300	4000	4850	850
0025	C-4	ABRAY WILLIAM H	GRIST MILL	105	1200	STEAM	16	2	300	2500	3000	500
0025	D-4	COCK ANDREW	GRIST MILL	105/105-0	4000	WATER	10	1	.	2000	2000	0
0026	A-1	MILLER DANIEL	GRIST MILL	105	4000	WATER	25	1	130	1500	1800	300
0025	D-1	BERNE MILLING CO	GRIST MILL	105	3300	STEAM	22	3	300	15000	1500	-13500
0026	B-1	SAUNBY S B	GRIST MILL	105	6000	WATER	24	1	100	1000	1500	500
0025	D-3	TURNER WILLIAM	GRIST/SAW MILL	105/251	2000	STEAM	40	2	400	.	1000	.
0026	J-2	EMSLEY PETER	FLOUR MILL	105	1200	WATER	.	1	300	.	.	.
									1223	108	1396722	93533
									32362	1302189	1396722	93533
									240300			

HURON COUNTY: TANNERIES, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUNPROC	VADD
0026	A-1	KIRKPATRICK P A &	TANNERY	172	44000	STEAM	16	10	3000	10000	18000	8000
0026	L-1	HUSTON WILLIAM	TANNERY	172	700	HORSE	1	1	350	9060	11400	2340
0025	B-2	WALPER ABEL	TANNERY	172	2000	STEAM	8	2	600	4000	10000	6000
0026	F-2	DOAN & HILL	TANNERY	172	3000	STEAM	10	2	500	4000	6000	2000
0025	E-3	JACKSON GEORGE	TANNERY	172	1500	HORSE	1	2	732	4000	5500	1500
0025	G-2	SMITH W G	TANNERY	172	4000	STEAM	10	7	500	3000	5000	2000
0025	E-3	BRETT ROBERT	TANNERY	172	2500	STEAM	6	3	500	2500	4000	1500
0025	E-3	WATSON CHRISTIAN	TANNERY	172	700	STEAM	12	2	250	2216	3420	1204
0025	D-3	DRESING PETER ?	TANNERY	172	1500	STEAM	12	3	500	2000	3000	1000
0026	L-3	BARKER WILLIAM	TANNERY DEPT	172	1500	STEAM	8	2	470	1250	2500	1250
0026	B-2	CARACK WILLIAM	TANNERY	172	700	STEAM	1	2	232	960	2400	1440
0026	A-1	MEADLE GODFREID	TANNERY	172	300	HORSE	1	2	300	1200	1800	600
0026	A-1	GUSHBUSH JOSEPH	TANNERY	172	600	HORSE	1	2	96	1000	1633	633
0026	C-2	STITT JACKSON ?	TANNERY	172	800	STEAM	1	1	500	300	1600	1300
0026	I	TROTT JOSEPH	TANNERY	172	150	HORSE	1	1	500	750	1500	750
0025	D-1	WITMER SAMUEL ?	TANNERY	172	500	HORSE	2	1	200	390	1200	810
0026	K-2	FLACK JOSEPH ARTH	TANNERY	172	1000	HORSE	1	1	468	600	1200	600
0025	C-3	DOWN HADLEY	TANNERY	172	500	HORSE	1	2	165	600	1000	400
0026	J-2	KNECHTEL JOHN	TANNERY	172	1500	STEAM	5	2	350	300	750	450
0025	G-4	MCFARLANE JAMES	TANNERY	172	800	HORSE	1	1	610	300	610	300
0026	L-1	JOHNSTON ROBERT J	TANNERY/GLOVE MF	172/175	400	HORSE	1	1	250	800	300	300
0025	D-4	BRIGGS O E	TANNERY	172	500	HORSE	2	2	250	800	300	300
					69150				9963	48986	82873	34077

HURON COUNTY: SADDLERS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUNPROC	VADD
0026	F-2	MILLER JOHN	HARNESS DEPOT	179-S	2000	STEAM	16	10	3000	10000	18000	8000
0026	I	OLIVER WILLIAM	SADDLER SHOP	179-S	700	HORSE	1	1	350	9060	11400	2340
0026	G-3	MITCHELL ROBERT	HARNESSMAKER/SAD	179-S	600	STEAM	8	2	600	4000	10000	6000
0026	L-3	SANDERS THOMAS B	SADDLER SHOP	179-S	1000	STEAM	10	2	500	4000	6000	2000
0025	G-1	ACHESON WILLIAM	SADDLER SHOP	179-S	400	HORSE	1	2	732	4000	5500	1500
0025	D-3	CAMERON DONALD	SADDLER/HARNESS	179-S	1000	STEAM	10	7	500	3000	5000	2000
0025	A-2	CLARK JAMES	HARNESS SHOP	179-S	500	STEAM	6	3	500	2500	4000	1500
0025	D-3	HINKSTON ARTHUR	SADDLER SHOP	179-S	60	HORSE	1	1	250	2500	4000	1500
0025	G-1	MCCLEOD ARCHIBALD	SADDLE/HARNESS S	179-S	500	STEAM	10	7	500	3000	5000	2000
0026	K-2	BOWERS WILLIAM	SADDLE/HARNESS E	179-S	600	STEAM	10	2	732	4000	5500	1500
0025	A-2	WALKER JOHN	HARNESSMAKER SHO	179-S	600	HORSE	1	1	610	300	610	300
0026	C-2	MALLOUGH JOSEPH	SADDLE/HARNESS S	179-S	800	STEAM	10	7	500	3000	5000	2000
0026	C-2	CAMPBELL ROBERT	SADDLE/HARNESS S	179-S	300	HORSE	1	1	350	9060	11400	2340
0026	K-2	ANDREWS ANDREW &	SADDLE/HARNESS S	179-S	75	HORSE	1	1	250	2500	4000	1500
0026	L-1	ARNOLD GEORGE	HARNESS SHOP	179-S	100	STEAM	10	7	500	3000	5000	2000
0025	G-1	HALLDAY ISAAC	SADDLERY/HARNESS	179-S	300	STEAM	6	3	500	2500	4000	1500
0025	A-1	ECRETT CHARLES	HARNESSMAKER	179-S	300	STEAM	6	3	500	2500	4000	1500
0026	L-1	PERKINS HENRY	SADDLERY/HARNESS	179-S	150	HORSE	1	1	250	2500	4000	1500
0025	A-1	FANSON WILLIAM	HARNESSMAKER	179-S	600	STEAM	10	7	500	3000	5000	2000
0026	I	WILSON JAMES	SADDLER SHOP	179-S	1000	STEAM	10	7	500	3000	5000	2000
0025	B-2	DIECHERT NICHOLAS	HARNESSMAKER	179-S	500	HORSE	1	1	250	2500	4000	1500
0025	C-2	EACETT GEORGE	SADDLER/HARNESS	179-S	650	STEAM	10	7	500	3000	5000	2000
0025	E-3	SMITH ANDREW	HARNESS SHOP	179-S	100	STEAM	10	7	500	3000	5000	2000
0025	B-2	WIDEMAN JOHN	HARNESSMAKER	179-S	300	HORSE	1	1	250	2500	4000	1500
0026	I	WOOD JOHN	SADDLER SHOP	179-S	200	HORSE	1	1	6	100	120	20
					13635				9997	19905	42830	20925

HURON COUNTY: BOOTMAKERS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0025	G-4	FURSE	SAMUEL	174	250			4	1500	3576	6000	2424
0026	I-1	PERKINS JAMES	BOOT/SHOEMAKER	174	500			6	2000	2500	6000	3500
0026	I	COVENTRY THOMAS	BOOT/SHOE MF	174	4000			5	1782	2961	5312	2351
0026	E-4	KERR JAMES	SHOEMAKER SHOP	174	800			3	700	2000	4000	2000
0026	F-2	CRUCKSHANK CHARL	BOOT/SHOE MF	174	2500			7	2400	2500	3800	1300
0025	G-4	MOSS WILLIAM	BOOT/SHOEMAKER	174	100			3	1200	1500	3500	2000
0026	I-3	BARKER WILLIAM	SHOE MAKING DEPT	174	1500			4	1100	1960	3460	1500
0026	I	STARK	SHOE SHOP	174	3000			4	1200	1500	3120	1620
0026	I	DUNCAN	BOOT/SHOE SHOP	174	500			4	1300	1550	3000	1450
0025	G-3	STURDY THOMAS	SHOE SHOP	174	150			1	500	500	2500	2000
0026	I	MCINTYRE & WILLIS	BOOT/SHOE SHOP	174	500			5	960	1120	2496	1376
0025	G-1	NOBLE	SHOE MAKING SHOP	174	600			2	1000	700	2000	1300
0025	G-1	CASSIDY FRANCIS	SHOEMAKER SHOP	174	100			2	600	1000	2000	1000
0026	E-4	BULGER & SMITH	SHOEMAKER SHOP	174	208			2	500	600	2000	1400
0025	C-2	TREBLE JOHN	BOOT/SHOE FACTOR	174	400			1	375	800	1600	800
0026	F-2	MORROW DAVID	BOOT/SHOE MF	174	800			2	600	800	1600	800
0026	K-2	RODURUS FREDERICK	BOOT/SHOE SHOP	174	300			1	100	836	1500	664
0026	K-2	ABRAHAM THOMAS	BOOT/SHOE SHOP	174	300			2	450	750	1450	700
0025	D-3	FOLLY WILLIAM	BOOT/SHOE SHOP	174	300			3	900		1410	
0026	C-2	MCGRATTON JOHN	BOOT/SHOE SHOP	174	200			2	300	400	1400	1000
0025	A-2	ZWIKER CHRISTIAN	SHOEMAKER SHOP	174	600			1		700	1200	500
0025	G-1	PORTLAND SAMUEL	BOOT/SHOE FACTOR	174				1	300	600	1200	600
0026	L-3	WALLACE & NIVINS	SHOE MAKING EST	174	350			1	130	700	1200	500
0026	L-3	LENNON JOSEPH	SHOE MAKING EST	174	400			1	300	500	1200	700
0025	B-1	SNOW JOHN	SHOEMAKER	174	100			0		800	1000	200
0025	B-1	PEARSON FRANCIS	SHOEMAKER	174	800			1		350	1000	650
0025	B-2	ROEDDING JUSTICE	SHOEMAKER SHOP	174	500			3	300	450	1000	550
0026	B-2	KNECHTEL DANIEL	SHOEMAKING	174	400			1		800	1000	200
0026	C-2	HISCOCK ROBERT	BOOT/SHOE SHOP	174	150			2	400	500	1000	500
0026	G-3	SHERATT JOHN	BOOT/SHOEMAKER	174	200			1	100	800	1000	200
0025	E-3	STEET JOHN	SHOEMAKER SHOP	174	700			1	300	350	950	600
0025	E-2	BRIGGS J EDWARD	SHOEMAKER SHOP	174	200			2	150	525	919	394
0025	B-2	WETZEL HENRY	SHOEMAKER SHOP	174	500			2	150	400	800	400
0026	C-2	WITTON WILLIAM	BOOT/SHOEMAKER	174	300			1	300	200	800	600
0026	G-3	GLAZES ADAM	BOOT/SHOE SHOP	174	100			1	50	400	800	400
0026	I	LOWE ANDREW	SHOE SHOP	174				1		520	800	280
0026	K-1	BARKER WILLIAM	SHOEMAKER SHOP	174	300			2	300	300	800	500
0026	L-1	TOOMBS B ?	SHOE SHOP	174	200			1	300	250	800	550
0025	F-4		BOOT/SHOE SHOP	174	20			1		500	750	250
0026	K-1	SIBBALD R F	SHOEMAKER SHOP	174	400			2	200	400	750	350
0026	K-1	BRUCE ALEX	SHOEMAKER SHOP	174	300			1	200	300	750	450
0025	D-3	WALWIN AARON	SHOE FACTORY	174	200			2	300	450	700	250
0025	C-4	DEWAR JAMES	SHOEMAKER SHOP	174	200			2	400	450	650	200
0025	C-1	BRIMCOMB JOHN	SHOEMAKING	174				1		400	640	240
0025	A-1	WEBBER GEORGE	SHOE ESTABLISHME	174				1		250	600	350
0025	A-2	BROWN CHARLES	SHOEMAKER SHOP	174	15			2		400	550	150
0025	A-3	MARTINE JOSEPH	BOOT/SHOE SHOP	174	445			1	120	310	500	190
0025	B-3	EDIGHOFER ADAM ?	SHOEMAKER	174				1		150	500	350
0025	B-1	MCTAGGART WILLIAM	SHOEMAKER	174				1		175	400	225
0026	K-2	PRICE THOMAS	SHOEMAKER SHOP	174	20			1		105	400	295
0025	C-3	ALLIN THOMAS	BOOT/SHOE SHOP	174				1	150	150	300	150
0026	L-1	DANZER JOSEPH	SHOE SHOP	174	50			1	300	120	240	120
0025	D-4	YOUNG JAMES	SHOEMAKER SHOP	174	300			1				
0026	E-4	HILL THOMAS	SHOEMAKER SHOP	174	50			1		60	100	40
0025	E-3	RYAN JAMES	SHOEMAKER SHOP	174	10			1		10	48	38
					24818	0	107	24217	40928	83615	41157	

HURON COUNTY: CLOTHING SHOPS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0025	G-1	SMITH ABRAHAM	CLOTHING/TAILOR	242/243	3000				2500	5000	7500	2500
0026	F-2	FISHER & BARTON	CLOTHING/MILLINE	242/249-M	800				1400	3000	6000	3000
0026	I	HICKSON & CO	TAILOR ESTABLISH	242	300				2514	4000	6000	2000
0026	I		MILLINERY EST	244/249-M	2000				900	4500	900	900
0026	I	SUTHERLAND ROBERT	TAILOR SHOP	243	500				1120	2000	4080	2080
0026	I	ANDERSON THOMAS	CLOTHING STORE	243	500				1000	2000	4000	2000
0026	G-2	SMALL SAMUEL	TAILOR SHOP	243	400				400	500	3500	3000
0025	G-2	LAVAGE WM	HAT MANUFACTORY	246	35000				450		3000	
0025	G-3	MCLEAN ALEXAND	TAILORING SHOP	242	2500				500	1500	3000	1500
0025	G-2	DUNLOP HUGH	TAILORING SHOP	242	1500				600	1500	2760	1260
0026	L-3	ROY W A G	TAILOR SHOP	243	150					775	2500	1725
0025	G-1	ADAMS DAVID	TAILOR ESTABLISH	242	200				900	800	2100	1300
0026	L-3	KNUTSON JOHN K	TAILORING EST	242	800				275	1450	2000	550
0026	L-1	TURNBULL HARRY	TAILORING SHOP	243	200				400	1000	1950	950
0025	G-4	HAMILTON MRS C	MILLINERY	249-M	300				1000	1000	1400	400
0025	G-3	MCCORMICK BERNARD	TAILORING SHOP	242	100				150	300	1200	900
0025	G-3	ARCHIBALD C E	CLOTHING/TAILOR	242	1000				1000		1000	
0026	I	GLOVER ANN	MILLINER SHOP	249-M/244					36	600	1000	400
0026	I	KIDD THOMAS	MILLINERY	249-M	1000				240		1000	
0026	L-1	BONN GEORGE ?	TAILORING SHOP	243	50				100	800	1000	180
0025	C-2	GRIGG WILLIAM	TAILORING EST	242	400				300		800	
0025	E-3	FLOURSHUTZ JOHN	TAILOR SHOP	242	100					500		300
0026	D-3	POULTON HENRY	TAILOR	242	30				400		800	
0026	D-2	BENGAUGH WILLIAM	TAILOR SHOP	243	250				300	320	700	380
0026	I	DILLEMS WILLIAM	TAILOR SHOP	242					175	300	700	400
0026	K-2	BARKLEY THOMAS	TAILORING EST	242	60						625	
0026	L-3	DICKSON ROBERT	TAILORING EST	242	400				75	200	600	400
0025	G-3	FORBY MARY	MILLINERY SHOP	249-M	200				300	500	500	0
0026	I	HART H ?	MILLINERY SHOP	249-M/244	100					150	500	350
0025	C-2	SMALLCOMBE WILLIA	TAILORING EST	242	100						400	
0026	B-1	MCPHERSON ALEXAND	TAILOR SHOP	243					46		400	
0026	E-4	WOODMAN ARTHUR	TAILOR SHOP	242					25		400	
0026	I		MILLINER	244						100	400	300
0026	K-2	KERR ROBERT	TAILORING EST	242	80						400	
0026	L-3	ROSS SARAH	MILLINERY/DRESSM	244/249-M					120		400	
0025	D-3	MCDONALD JAMES	TAILOR SHOP	242							300	
0025	E-3	STODDART JOHN	DRESSMAKING/MILL	244/249-M						200	300	100
0025	G-4	KAY W & G	TAILORING	242	200						300	
0026	L-3	MCEWEN SARAH	MILLINERY/DRESSM	244/249-M	100				60	150	300	150
0025	E-3	CAMERON SAMUEL	TAILOR SHOP	242	100					100	200	100
0026	I	MCINTOSH MARGARE	MILLINER/DRESSMA	249-M/244	100					150	200	50
0026	G-2	WYNN ANNIE	DRESSMAKER SHOP	244/249-M							150	
0025	B-2	ZIMMERMAN HENRY	TAILOR SHOP	243	100						100	
0025	D-3	TWENTY SARAH	DRESSMAKER	244							30	
					52620		0	128	16386	33395	70675	27175

HURON COUNTY: SAWMILLS AND WOOD PROCESSING, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0025	G-3	STANDLY & CO	SAW MILL/STAVE F	251	20000	STEAM	40	60	12000	30500	48000	17500
0026	H-1	KIDD JOSEPH	SAW MILL	251	5000	STEAM	35	9	2000	14000	28000	14000
0026	I	ELDER JOHN	STAVE FCY/COOPER	251/259-C	8000	STEAM	21	40	7000	5000	16000	11000
0025	G-1	HODGE ARCHIBA	COOPERAGE	259-C	700			18	6000	9450	15450	6000
0026	J-1	SMITH & ROBERTSON	SAW MILL	251/251-S	4000	STEAM	35	6	700	6000	15000	9000
0026	F-2	RANSFORD RICHARD	STAVE FACTORY	259-C	3000	STEAM	30	20	5000	6000	14000	8000
0026	A-2	LAVAGE WILLIAM	SAW MILL/STAVE F	251	4000	STEAM	30	9	2020	4500	13000	8500
0026	I	BROADFOOT & GRAY	PLANING MILL	254	6000	STEAM	15	11	4000	4800	12500	7700
0026	H-3	GOWANLOCK ANDREW	SAW MILL	251	3000	STEAM	25	10	3000	9000	12000	3000
0026	G-2	BROWN ALFRED	SAW/SHINGLE MILL	251/251-S	3000	STEAM	25	8	1000	4000	11100	7100
0025	B-2	FRIED ABSALOM & N	SAW MILL	251	3000	STEAM	25	3	1200	5000	10150	5150
0026	J-3	REDFORD & HAYWARD	SAW/LATH MILL	251	22500	STEAM	25	10	2500	5000	10000	5000
0025	G-3	BATES GEORGE	COOPERAGE	259-C	400			7	3240	5400	9500	4100
0025	A-4	FULTON WILLIAM	SAW MILL	251	2000	STEAM	30	8	1808	4992	9360	4368
0025	G-3	STANDLY & CO	COOPERAGE	259-C	1000			5	2510	6000	9000	3000
0026	A-1	LAMONT JOHN	COOPERAGE	259-C	760			10	3000	50	9000	8950
0025	B-2	RENNIE SAMUEL	SAW MILL/SHINGLE	251/251-S	4000	STEAM	25	8	600	2000	8400	600
0026	F-1	FAIR JAMES	SAW MILL	251	4000	STEAM	30	7	2560	4220	8400	4180
0026	J-3	MACKAW WILLIAM	SAW/LATH MILL	251	2000	STEAM	30	8	2000	4000	8000	4000
0026	C-1	ARMSTRONG WM	SAW MILL	251	2000	WATER	20	4	600	3000	7000	4000
0026	K-1	LUCH W & CO ?	SAW MILL	251	2500	WATER		4	900	3000	7000	4000
0025	A-1	PICKARD JAMES	SAW MILL	251	2500	STEAM	20	5	1800	2800	6300	3500
0025	G-1	BUCHANAN/LAWSON/C	SASH/DOOR/BLIND	254	4000	STEAM	20	8	1452	2400	6000	3600
0026	J-2	MILNIE JOHN	SAW MILL	251/251-S	4000	STEAM	30	4	1000	4500	6000	1500
0026	L-1	LEECH ROBERT	SAW MILL	251	4000	WATER	18	4	792	1550	6000	4450
0026	K-1	GEMMEL D & J	SAW MILL	251	1300	STEAM	28	4	228	1500	5700	4200
0026	J-2	MORRISON & SMITH	SAW MILL	251/251-S	3000	STEAM	25	4	1000	3000	5500	2500
0026	J-3	MAYBEE & MCDONALD	SAW/LATH/SHINGLE	251/251-S	10000	STEAM	12	6	2000	3000	5400	2400
0026	K-2	BURROWS CHARLES	SAW MILL	251	1840	WATER		8	1200	2500	5000	2500
0026	K-2	FISHER ARCHIBA	SAW/LATH MILL	251	3700	WATER	40	8	1456	1600	4676	3076
0026	K-2	BRACE L J & C	SAW MILL/SHINGLE	251/251-S	4000	STEAM	20	9	1200	1000	4542	3542
0026	D-3	THEOBALD GEORGE	SHINGLE MANUFACT	251-S	1800	STEAM	15	7	868	1428	4284	2856
0026	E-4	CULLIS JOHN	SAW MILL	251	1600	WATER	30	4	800	1350	4182	2832
0025	B-1	WILSON THOMAS	SAW MILL/LATH MC	251	2000	STEAM	20	12	1872	1800	4000	2200
0025	E-3	KYLE JAMES	SAW MILL	251	1000	STEAM	18	6	200	2000	4000	2000
0026	J-1	MCALLISTER ROBERT	SAW MILL	251	2500	WATER	25	7	850	3000	4000	1000
0026	K-1	STEWART D & CO	SHINGLE MILL	251-S	1000	STEAM	12	7	1000	1000	4000	3000
0026	L-2	WEBSTER & BROS	SAW MILL	251	6000	STEAM	30	4	150	2500	4000	1500
0025	G-1	BOOSEY WILLIAM J	COOPERAGE	259-C	250			5	1353	2172	3800	1628
0026	J-2	VANSTONE WILLIAM	SAW/FLOUR MILL	251/105	4000	WATER		4	900	2200	3620	1420
0026	G-2	KELLY PATRICK	SAW MILL	251	6000	STEAM	35	5	1400	2000	3600	1600
0025	B-1	WANLESS DAVID	SAW MILL	251	4000	STEAM	20	7	1400	1600	3500	1900
0026	C-2	CRAIG & MURPHEY	SAW MILL	251/251-S	4000	STEAM	20	4	500	2500	3500	1000
0026	L-3	GIBSON ALEXANDER	SAW MILL	251	1200	WATER	20	4	800	1700	3500	1800
0026	K-2	GREGORY JOHN	SAW/LATH/PLANING	251	5000	WATER	25	4	700	1300	3475	2175
0026	L-1	HUGHES ELISHA	SHINGLE FACTORY	251-S	3000	STEAM	16	5	380	1000	3200	2200
0026	G-3	CURTIS WILLIAM	SHINGLE/HEADING	251-S	2500	STEAM	17	6	1100	700	3162	2462
0025	B-3	KALBFLEISH H J	SAW MILL	251	400	STEAM	20	3	450	1800	3000	1200
0025	J-3	ADAMS R R	SAW MILL	251	2600	STEAM	5	5		1200	3000	1800
0026	K-1	LUCH W H & CO ?	SHINGLE MILL	251-S	800	WATER		7	525	700	3000	2300
0025	G-3	MCLEAN THOMAS	COOPERAGE	259-C	350			4	1000		2850	
0026	H-2	THOMPSON JOHN	SAW MILL	251	1000	STEAM	12	7	325	761	2761	2000

HURON COUNTY: SAWMILLS AND WOOD PROCESSING, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0026	G-1	BROWN JOHN	SAW MILL	251	500	WATER	10	1	.	2000	2750	750
0025	B-2	CARRICK WILLIAM	SAW MILL	251	5000	STEAM	62	6	1500	1800	2500	700
0025	D-3	THOMSON JAMES	SAW MILL	251	3000	WATER	40	1	300	1500	2500	1000
0026	F-2	COOPER WILLIAM	PLANING FACTORY	251-S	1200	STEAM	7	3	1000	2000	2500	2200
0026	L-3	GRELAND PETER	SHINGLE FACTORY	251-S	2000	STEAM	20	5	700	1100	2400	1300
0026	D-3	MOORE R N	SAW MILL	251	2000	STEAM	25	5	800	1600	2300	700
0026	H-2	GOWANLOCK THOMAS	SAW MILL	251	900	STEAM	12	5	200	732	200	1548
0025	B-1	BELL DANIEL	SAW MILL	251	1500	WATER	.	2	300	1000	2000	1000
0025	B-1	CARRICK	SAW MILL	251	.	STEAM	20	4	500	1000	2000	1000
0025	D-2	JOHNSTON JAMES	SAW MILL	251	1500	STEAM	36	4	450	1500	2000	500
0025	F-2	WESTON S ?	SAW MILL	251	2000	WATER	15	1	280	1000	2000	1000
0026	A-2	MCVETTIE WILLIAM	SAW MILL	251	2000	STEAM	20	1	400	1000	2000	1000
0026	I	GROTT SAMUEL	COOPER SHOP	259-C	600	.	.	2	700	1200	2000	800
0026	L-3	GIBSON & BLACK	SASH/DOOR FACTOR	254	450	WATER	7	5	700	500	2000	1500
0025	A-4	SUTTON DENNIS	SAW MILL	251	3500	STEAM	35	11	1128	450	1862	1412
0026	E-4	DICKSON JOHN	SAW MILL	251	1000	WATER	20	2	200	750	1800	1050
0026	F-1	FAIR JAMES	COOPERAGE	259-C	300	.	.	2	600	1740	1740	1290
0025	A-1	MCNABB JAMES	TURNING FACTORY	259-W	2000	STEAM	8	3	1000	365	1650	1285
0025	E-4	RANSFORD RICHARD	SAW MILL	251	3000	STEAM	30	6	500	1000	1600	600
0026	E-4	MELVILLE LAWRENCE	SAW MILL	251	1000	WATER	25	2	250	800	1600	800
0026	L-1	SMITH ALEXANDER	COOPER SHOP	259-C	300	.	.	1	400	750	1600	850
0025	A-4	HANNAH JAMES	SAW MILL	251	3000	STEAM	25	8	744	500	1500	1000
0025	G-2	CARL MICHAEL	COOPERAGE SHOP	259-C	500	.	.	1	400	.	1500	.
0026	B-2	MURRY WILLIAM	SAW MILL	251	3500	STEAM	20	4	720	500	1500	1000
0026	E-4	MONTEITH ALEXANDE	SAW MILL	251	1500	WATER	28	2	250	700	1500	800
0026	E-3	FOSTER CHRISTOPHE	SAW MILL	251	600	WATER	12	3	600	800	1400	600
0026	L-1	MITCHELL ARTHUR	SAW MILL	251	100	STEAM	16	3	220	850	1300	450
0025	A-2	SWITZER HENRY	SAW MILL	251	1000	STEAM	18	1	75	630	1260	630
0026	B-1	RUNCIMAN JOHN	SAW MILL	251	1000	WATER	16	2	400	600	1200	600
0026	B-2	FRASER ALEXANDER	SAW MILL	251	2000	STEAM	18	4	500	500	1200	700
0026	B-2	PRITCHARD HUGH	SAW MILL	251	1500	WATER	20	1	130	500	1200	700
0026	E-4	SPRING JONN	SAW MILL	251	2000	WATER	12	1	250	500	1200	700
0026	K-2	ALEN JOHN	SHINGLE FACTORY	251-S	600	STEAM	10	3	288	375	1200	825
0026	L-1	BATH JAMES	SAW MILL	251	500	WATER	20	1	200	400	1200	800
0025	F-3	CHARLESWORTH HENR	SAW MILL	251	1000	WATER	20	2	200	1000	1190	190
0026	B-2	PRITCHARD HUGH	SAW MILL	251	1100	WATER	16	2	672	500	1172	672
0026	L-1	FEREND CHARLES	SAW MILL	251	1000	WATER	20	3	672	450	1120	670
0025	C-3	DINNIN WILLIAM	AGRC IMPL FACTOR	259/311	2500	STEAM	8	3	350	90	1000	910
0025	E-3	VAN EGMOND LEOPOL	SAW MILL	251	1300	WATER	15	3	120	500	1000	500
0026	E-4	WITTS CHARLES	CARPENTER SHOP	254	200	.	.	2	200	150	1000	850
0026	G-3	MCVETTIE MOSES	SAW MILL	251/251-S	3000	STEAM	20	2	100	350	1000	650
0026	L-1	MAGUIRE THOMAS	SHINGLE MACHINE	251-S	300	WATER	12	3	200	375	1000	625
0026	J-3	CALDER JAMES	SHINGLE MILL	251-S	800	STEAM	5	5	350	250	900	650
0026	I-3	FOUND & KEY	SAW MILL	251	3000	STEAM	25	3	300	400	850	450
0026	K-2	CORMAN JOHN ?	COOPER SHOP	259-C	200	.	.	2	480	100	700	700
0025	D-3	ARMSTRONG JAMES	COOPER SHOP	259-C	250	.	.	2	600	120	750	630
0026	D-2	SHORTS WILLIAM	SAW MILL	251	2000	WATER	20	3	200	300	750	450
0025	G-2	MCNAMARA WM	COOPERAGE SHOP	259-C	150	.	.	1	450	.	700	.
0025	D-3	BURGER THOMAS	COOPER SHOP	259-C	600	WATER	20	2	100	300	600	300
0026	A-1	GLEDHILL & BROS	SAW MILL	251	1300	WATER	26	1	100	150	600	450
0026	B-1	PHILLIPS SAMUEL	SAW MILL	251	2500	WATER	17	1	100	260	600	340
0026	B-1	RUNCIMAN DAVID	SAW MILL	251	.	.	.	.	.	.	.	.

HURON COUNTY: SAWMILLS AND WOOD PROCESSING, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0026	B-2	FERISH ROBERT	SAW MILL	251	1000	WATER	16	2	200	350	550	200
0025	E-1	BELL ANDREW	SAW MILL	251	800	WATER	.	1	26	300	500	210
0025	A-3	CARROLL BARTHOLEM	COOPER SHOP	259-C	70		.	2	144	80	500	420
0025	B-3	HESS GEORGE	CARPENTER	254	200		.	1	.	150	500	350
0025	E-3	KINSE CLAWS ?	COOPER SHOP	259-C	80		.	1	.	150	500	350
0026	B-1	HARIS WILLIAM	SAW MILL	251	2000	WATER	40	1	300	200	500	300
0026	K-2	PHIPEN GEORGE	COOPER SHOP	259-C	100		.	1	240	100	500	400
0025	E-4	FOWLER WILLIAM	CHEESE BOX FACTO	256	500	STEAM	4	2	300	200	450	250
0026	E-1	COATES WILLIAM	CARPENTER SHOP	259	200		.	1	300	45	400	355
0025	B-3	HEYRAK HENRY	SAW MILL	251	1000	WATER	15	1	52	150	375	225
0025	F-1	FACH GEORGE	COOPER SHOP	259-C	70		.	1	300	18	360	342
0025	D-1	DETWELLER HENRY	SAW MILL	251	300	WATER	10	1	.	150	300	150
0026	L-3	GRAHAM WILLIAM	CARPENTER SHOP	259	300		.	1	42	42	300	258
0025	A-2	WHITE ROBERT	COOPERAGE	259-C	200		.	1	.	40	294	254
0026	D-3	HOOVER JOSEPH	CARPENTER SHOP	259	40		.	1	67	36	250	214
0026	J-1	MITCHELL JOHN	SAW MILL	251	800	WATER	15	1	150	100	240	140
0026	K-2	HEAGAN JAMES	CARPENTER SHOP	254	100		.	1	130	25	230	205
0025	B-1	BELL PAUL D	SAW MILL	251	2000	W/S	20	1	.	15	224	184
0026	E-4	JACKSON ARCHIBALD	COOPER SHOP	259-C	50		.	1	200	15	210	195
0026	L-1	MCLAUGHLIN WILLIA	CARPENTER SHOP	254	100		.	1	50	60	190	130
0025	D-3	MILLER HENRY	COOPER SHOP	259-C	60		.	1	.	40	130	90
0025	C-1	CROCKER JOHN	JOINER/CARPENTER	259	.		.	1	.	.	100	.
0026	E-4	HAGARD THOMAS	CARPENTER SHOP	259	150		.	1	.	20	100	80
0026	E-3	KNOX ROBERT H	SAW MILL	251	1000	WATER	35	1	.	600	72	-528
0026	E-4	PATTERSON PETER	COOPER SHOP	259-C	50		.	1	50	20	50	30
0026	L-1	MORDEN STEPHEN	COOPER SHOP	259-C	10		.	1	.	4	40	36
0025	F-2	STONEHOUSE JAMES	SAW MILL	251	1000	WATER	10	2	150	500	.	.
0025	G-2	WATTS M	BOATBUILDING	259-C	1000		.	0	.	.	.	.
0026	D-2	MORROW WILLIAM	SAW MILL	251	3000	STEAM	18	2	.	800	.	.
					279130			2008	622	116405	229455	494161
					279130			2008	622	116405	229455	260256

HURON COUNTY: FURNITURE SHOPS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0026	I	BELL THOMAS	CABINET FACTORY	261	3000	STEAM	4	8	2500	7000	10800	3800
0026	I	ROBERTSON MATTHEW	CABINET FACTORY	261	2000	HORSE	1	3	600	298	6000	5702
0026	L-3	ALLEN & MILLER	CABINET MF	261	2000	W/S	10	9	3000	600	5500	4900
0026	F-2	JOHNS & MENZIE	FURNITURE FACTOR	261	6000	STEAM	12	9	3500	1000	5000	4000
0025	G-1	BARRY GEORGE	FURNITURE/CABINE	261	600	STEAM	3	2	600	800	4000	3200
0025	G-4	ERIC MCRAV	CABINETMAKER	261	1000		.	2	700	1500	4000	2500
0025	A-1	DREW EDRED	FURNITURE EST	261	4800	STEAM	18	8	2504	480	3900	3420
0025	G-2	GORDON DAN	CABINET WAREHOUS	261	2000		.	6	1000	.	3000	.
0025	A-1	GIDLY & CO	FURNITURE FACTOR	261	2000	STEAM	6	1	300	300	2000	1800
0026	F-2	STEVENSON THOMAS	CABINET FACTORY	261	3000		.	4	400	720	1500	780
0026	D-3	LAWRENCE ALFRED	CABINET SHOP	261	600		.	1	450	150	1020	870
0025	A-1	HARWOOD GEORGE	CABINETMAKER	261	300		.	3	373	300	1000	700
0025	G-1	MCKENZIE JOHN	CABINET SHOP	261	800		.	2	500	200	1000	800
0026	K-2	HEBBLETHWAIT JOHN	CABINET FACTORY	261	350		.	1	388	136	800	664
0026	K-2	LLOYD CHARLES	CABINET MANUFACT	261	150		.	1	300	97	500	403
0025	D-3	CHRISTER EDWARD	CABINETMAKER	261	50		.	2	144	24	336	312
0026	E-4	LAWRENCE HENRY	CABINETMAKER SHO	261	200		.	1	150	80	230	150
0026	L-1	NOREN THOMAS	CABINET SHOP	261	200	HORSE	1	1	.	40	200	160
0025	D-3	GEMINHERDT JOHN ?	CABINETMAKER	261	250	STEAM	3	1	.	20	150	130
					29300			58	65	17409	13645	50936
					29300			58	65	17409	13645	34291

HURON COUNTY: TINSMITHS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0026	F-2	SEARLE & DAVIS	TINWARE MANUFACT	304-T	5000		.	6	3000	3000	5000	2000
0025	G-3	SAUNDERS JAMES	TIN SHOP	304-T	700		.	3	700	1000	2000	1000
0025	G-4	STORY J & J	TINSMITH SHOP	304-T	1000		.	4	.	1000	2000	1000
0026	I	KIDD JOHN	TIN SHOP	304-T	400		.	2	400	744	2000	1256
0026	I	WITNEY ANN	TIN SHOP	304-T	800		.	3	444	980	2000	1020
0025	D-3	HOHMAN VALENTINE	STOVE/TIN SHOP	304-T	300		.	2	300	1200	1800	600
0025	G-1	RALPH JOHN	TINSMITH SHOP	304-T	500		.	1	500	600	1500	900
0025	L-3	PAULIN ROBERT	TINSMITH EST	304-T	500		.	1	35	600	1500	900
0025	C-2	JOHNS DAVID	TIN SHOP	304-T	1000		.	1	150	500	1200	700
0026	L-1	WILSON SAMUEL	TIN SHOP	304-T	700		.	1	150	800	1200	400
0026	I	JOHNSTON & BROS	TIN SHOP	304-T	500		.	1	450	500	1100	600
0025	A-1	BISSETT T & R	TIN SHOP	304-T	250		.	2	616	200	1000	800
0026	K-2	MOONEY BARNABU	TINSMITH SHOP	304-T	260		.	1	350	400	840	440
0026	C-2	WYNARD JAMES	TIN SHOP	304-T	600		.	1	400	175	600	425
0025	B-2	CREIMAN CHARLES ?	TINSMITH	304-T	500		.	1	.	60	150	90
					13010		0	30	7495	11759	23890	12131

HURON COUNTY: MACHINERY PRODUCERS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0026	I	MARTIN JOHN	WOODWORKER/AG IM	311	1000	STEAM	6	2	500	5000	25000	20000
0026	F-2	GLASGOW/MCPHERSON	FOUNDRY	311	3500	STEAM	18	24	9000	.	21700	.
0025	A-1	VERITY W H	FOUNDRY	311	2000	STEAM	7	7	3089	1470	10000	8530
0026	F-2	MACTAGGART & CO	FANNING MILL MF	311	10000	STEAM	12	8	3000	4500	10000	5500
0026	K-2	AINSLEY JOHN	IRON FOUNDRY	311	2000	STEAM	5	4	1000	400	6000	5600
0026	I	ZAPPE & CARTER ?	IRON FOUNDRY	311/315	3000	STEAM	14	6	2000	.	4300	.
0025	G-1	DODD HENRY	FANNING MILL/RAK	311	700	HORSE	2	6	1500	464	3145	2681
0025	C-4	FORD SAMUEL	BLACKSMITH SHOP	311	400		.	3	600	500	2000	1500
0025	G-1	ARMSTRONG JOHN	PUMP/CHURN MF	315-P/259-C	500		.	2	700	300	1800	1500
0026	F-2	ROSS JOHN	PUMP FACTORY	315-P	1200	HORSE	1	2	150	1000	1800	800
0026	I	WILLIAMSON GRAHAM	BLACKSMITH FORGE	311	2000		.	4	600	330	1650	1320
0026	I	WILLIAMS JOSEPH	PUMP FACTORY	315-P	800	HORSE	2	2	400	250	1500	1250
0025	C-4	MCWILLAN JOHN	BLACKSMITH SHOP	311	300		.	1	.	250	1000	750
0025	G-1	SPRACHAN DAVID	BLACKSMITH SHOP	311	400		.	3	675	275	1000	725
0026	F-2	MULLOY DANIEL	PUMP MANUFACTORY	315-P	500	HORSE	1	1	192	200	1000	800
0026	K-2	DODDS ALEXAND	PUMP MANUFACTORY	315-P	400		.	1	366	600	920	320
0025	E-3	JENKINS LEVI	PUMP FY/CABINETM	315-P/261	600		.	2	175	200	700	500
0025	C-2	SOUTHCOTT JOHN	PUMP FACTORY	315-P	250		.	2	100	30	400	370
0025	A-2	BAKER WILLIAM	PUMP FACTORY	315-P	200		.	1	.	15	370	355
0025	F-2	SHAW CHARLES	BLACKSMITH	311	120		.	1	.	40	336	296
0025	A-3	BEIMES GEORGE	PUMP FACTORY	315-P	40		.	3	.	10	96	86
0025	A-3	BANES WILLIAM	PUMP SHOP	315-P	200		.	1	.	20	85	65
					30110		68	86	24047	15854	94802	52948

HURON COUNTY: CARRIAGE AND WAGON MAKERS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0025	G-1	WHITBY ROBERT	WAGON/CARRIAGE F	329	1200			11	3026	2125	6050	3925
0026	I	MCNAUGHT DAVID	CARRIAGE FACTORY	329	2000			7	2000	1000	5175	4175
0025	A-1	TRICK JOHN	WAGON SHOP	329	1000			6	1900	1500	5000	3500
0026	F-2	LESGLIE & HOLMES	CARRIAGE FACTORY	329	3000	STEAM	5	6	2400	150	5000	4850
0026	I	GRASSIE WILLIAM	CARRIAGEMAKER	329	4000			7	1000	850	5000	4150
0025	G-1	PASSMORE JOHN	CARRIAGES/BLACKS	329/896	5000			10	2300	1700	3570	1870
0026	I	MCINTOSH & MORRIS	CARRIAGE/WAGON F	329	2500			8	1000	395	3300	2905
0025	E-3	FULTON ROBERT	BLACKSMITH FORCE	329	500			3	300	420	3000	2580
0025	A-1	BROWN DIGNY	WAGON FACTORY	329	1000			3	438	860	2500	1640
0025	E-3	HILL THOMAS	WAGON SP/BLACKSM	329	700			4	900	1300	2500	1200
0026	C-2	CRAWFORD WILLIAM	WAGON SHOP	329	400			2	400	350	2500	2150
0025	G-3	BATES JOHN	WAGON SHOP	329	700			2	500	300	2340	2040
0025	C-4	MONTIETH ROBERT	BLACKSMITH/WAGON	329	1000			5	500	700	2000	1300
0025	D-3	BUVINE GEORGE ?	BLACKSMITH/WAGON	329	150			4	800	1000	2000	1000
0025	G-3	BROOKS WILLIAM	WAGON SHOP	329	1000			2	700	300	2000	1700
0026	E-4	BLENHAM JAMES	BLACKSMITH FORCE	329-P	400			3	400	1000	2000	1000
0026	K-1	DAVIS HENRY	CARRIAGE/WAGON S	329	600			3	800	300	2000	1700
0025	A-2	TREVTHICK JOHN ?	BLACKSMITH/WAGON	329	1000			3	600	250	1800	1550
0025	C-2	DAVIS RICHARD	WAGON FCY/BLACKS	329/896	650			4	700	625	1800	1175
0026	E-4	CASHERLINE ANTHON	BLACKSMITH FORCE	329-P	400			3	400	800	1700	900
0026	K-2	LENTIEUX HIRAM ?	WAGONS/BLACKSMIT	329/896	300			4	350	435	1634	1199
0026	E-4	BRUNSDON JOHN	WAGON SHOP	329	1000	HORSE	4	3	600	400	1500	1100
0026	L-1	ROSS RICHARD	BLACKSMITH SHOP	329	600			3	300	360	1500	1140
0025	E-3	RUDD WILLIAM	CARRIAGE/WAGON S	329	300	HORSE	1	4	450	450	1200	750
0026	K-2	RITCHIE JOHN	CARRIAGE/WAGON S	329	600			1	1120	150	970	970
0025	B-2	WAGNER CONRAD F	WAGONMAKER SHOP	329	500			1	50	80	1050	970
0025	D-2	WILLIAMS EDGAR	WAGONMAKER SHOP	329	400			2	75	300	1000	700
0026	G-3	ROGERSON ISAAC	WAGON SHOP	329	500			2	100	75	1000	925
0026	J-2	ENGLISS THOMAS	WAGON/BLACKSMITH	329/896	500			3	600	250	1000	750
0026	L-1	JOHNSTON WILLIAM	BLACKSMITH SHOP	329	500			1	240	312	970	658
0025	A-2	MORLOCK JULIUS	BLACKSMITH/WAGON	329	600			2	200	600	900	300
0025	B-2	DEICHERT JOHN	BLACKSMITH	329	300			3	312	246	856	610
0026	K-2	JOHNSTON THOMAS &	WAGONMAKER SHOP	329	600			1	60	850	790	790
0025	B-2	HESS FREDERICK	WAGONMAKER SHOP	329	400			2	400	600	800	200
0025	C-2	ROBINSON ROBERT	WAGON FACTORY	329	400			2	230	450	800	350
0026	A-2	DART ANDREW	CARRIAGE/WAGON F	329	600			3	300	220	800	580
0026	E-1	WILLIAMS JOHN	WAGON/CARRIAGE S	329	700			1	180	86	700	614
0026	L-1	STINSON JOHN	WAGON SHOP	329	200			1	250	60	700	640
0025	C-2	BRYANT WILLIAM	WAGON FCY/BLACKS	329	200			1	150	60	700	640
0025	C-2	DOWEN JAMES	WAGON FACTORY	329	100			1	300	200	700	500
0025	D-3	PURDY WILLIAM	WAGONMAKER	329	300			1	200	200	700	500
0026	B-1	GRUNDY JAMES	WAGON FACTORY	329	300			1	650	200	650	450
0026	L-1	MATHEWS JAMES	BLACKSMITH	329	200			2	312	150	625	475
0026	K-2	FOSTER EDWARD	WAGONMAKER SHOP	329	200			3	400	275	600	325
0025	C-3	BLATCHFORD RICHAR	BLACKSMITH SHOP	329	400			2	150	60	600	490
0026	J-3	WHITTEN JAMES	WAGON SHOP	329	100			2	400	60	550	490
0025	D-3	WHITTEN JAMES	WAGON/SLEIGHMAKE	329	100			2	400	82	550	468
0026	L-3	LUXTON JOHN	WAGON/CARRIAGE W	329	1000			1	200	400	504	104
0025	A-3	NEVILLS MICHAEL	BLACKSMITH SHOP	329/311	300			1	200	160	500	340
0025	B-1	BAKER HENRY	WAGONMAKER	329	150			1	300	150	500	350
0025	D-3	MCCLYMONT WILLIAM	WAGONMAKER	329	100			1	150	300	500	500
0026	I	GRASSIE GEORGE	WAGON SHOP	329	200			1	100	300	500	200
0026	L-1	CAMPBELL THOMAS	BLACKSMITH SHOP	329	200			1	100	50	450	400
0025	B-3	ERWIN WILLIAM	WAGONMAKER	329	250			2	225	48	400	175
0025	A-3	SCHOPP JOHN	CARPENTER SHOP	329/311	200			1	25	32	350	318
0026	E-4	MANNING JAMES	WAGON SHOP	329	600			1	25	25	350	325
0026	L-3	BOWER HENRY ?	WAGON/CARRIAGE W	329	700			1	25	9	336	327
0026	L-3	HUMPHREY CHRISTOP	WAGONMAKER SHOP	329	200			1	25	9	336	327
0025	A-1	HARRIS JOHN	WAGON SHOP	329	100			1	25	9	336	327
0026	L-1	JAMES WILLIAM	WAGON/CARRIAGE S	329	100			1	25	9	336	327
0025	C-1	ANDREW GEORGE	WAGONMAKER	329	100			1	25	9	336	327
0026	L-1	THOMAS ELIJA	WAGONMAKER	329	100			1	25	9	336	327
									28988	23553	91980	64827
									10	166	10	166
									41900	41900	41900	41900

HURON COUNTY: NON-METALLIC MINERAL PROCESSING, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0026	L-1	HOOVER CHARLES	LIME KILN	358-L	400		.	2	120	800	4290	3490
0025	E-4	BORDEN JOHN	BRICK YARD	351-B	200		.	8	800	.	1750	.
0025	A-2	BISSETT ROBERT	BRICK YARD	351-B	500	HORSE	2	5	625	100	1600	1500
0025	A-2	WEST FREDERICK	BRICK YARD	351-B	800	HORSE	2	5	525	50	1575	1525
0026	E-2	EAST THOMAS	BRICK YARD	351-B	100	HORSE	2	6	200	.	1500	.
0025	A-2	MITCHELL WILLIAM	BRICK YARD	351-B	400	HORSE	1	6	600	50	1400	1350
0025	E-3	PACKARD JAMES ?	BRICK YARD	351-B	300		.	8	800	100	1300	1200
0025	F-1	FORSTER NICHOLAS	BRICK/DRAIN FACT	358-L	1000	HORSE	2	3	400	200	1250	1050
0025	E-2	WILSON JOSEPH	LIME KILN	351-B	100		.	4	500	150	1200	1050
0026	E-2	THOMPSON ROBERT	BRICK YARD	351-B	100	HORSE	1	4	200	.	1000	.
0026	L-3	WRIGHT SAMUEL	BRICKMAKING	351-B	400		.	2	250	.	1000	.
0025	C-3	MARQUES RICHARD	LIME KILN	358-L	100		.	2	200	75	800	725
0026	A-1	SINCLAIR COLLIN	BRICK KILN	351-B	100	HORSE	1	8	160	50	750	700
0026	L-1	BOWYER THOMAS	LIME KILN	358-L	750		.	2	568	100	740	640
0025	E-2	WEBB THOMAS	BRICK/TILE FACTO	351-B	200	HORSE	1	5	50	40	700	660
0025	F-4	BURNS DAVID W	POTTERY	351-P	200	HORSE	1	1	.	.	600	.
0026	G-2	KELLY JAMES	LIME KILN	358-L	100		.	1	300	100	600	500
0026	D-1	WILSON JAMES	LIME KILN	358-L	40		.	3	.	150	500	350
0026	E-4	CRAVEN RICHARD	LIME KILN	358-L	60		.	1	100	10	500	490
0026	I	WILSON ALEXAND	LIME KILN	358-L	150		.	3	120	60	400	340
0026	E-1	JOHNSTON JOHN	LIME KILN	358-L	15		.	1	70	25	360	335
0025	B-2	HESS CHRISTIAN	POTTERY	351-P	.		.	0	.	25	300	275
0025	E-3	BOCHLER VALENTINE	POTTERY	351-P	300		.	1	.	.	300	.
0026	E-4	ASKWITH CHARLES	BRICK/TILE FACTO	351-B	1000	HORSE	1	4	200	.	300	.
0026	A-1	SINCLAIR COLLIN	LIME KILN	358-L	100		.	2	100	40	250	210
0025	D-2	REID JOHN	LIME KILN	358-L	400		.	3	100	.	200	.
0026	L-1	HARRISON GEORGE	LIME KILN	358-L	50		.	2	150	50	150	100
0026	L-2	HARRISON GEORGE	LIME KILN	358-L	30		.	1	150	50	150	100
0025	B-2	OTTO HENRY	LIME KILN	358-L	.		.	1	20	10	100	90
0026	E-4	WATSON JAMES	LIME KILN	358-L	100		.	1	20	.	100	.
0026	E-4	PEACOCK GEORGE	LIME KILN	358-L	150		.	1	20	.	100	.
0026	D-2	TAYLER THOMAS	LIME KILN	358-L	20		.	1	20	40	85	45
0026	B-2	HAWKINS GEORGE	LIME KILN	358-L	50		.	1	.	50	80	30
0026	D-3	ROME JAMES	LIME KILN	358-L	16		.	1	18	6	60	54
0025	A-1	SNELL JOHN	LIME KILN	358-L	.		.	1	.	10	50	40
0026	K-1	THOMPSON ALEXANDE	LIME KILN	358-L	15		.	3	20	20	50	30
0025	B-3	GENERIUS HYANCINT	LIME KILN	358-L	.		.	1	.	.	40	.
0025	B-3	PAPINO FRANCIS	LIME KILN	358-L	.		.	1	.	.	20	.
					8246				7406	2361	26150	16879
						14	105					

HURON COUNTY: BLACKSMITHS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0025	G-3	THOMPSON ROBERT	BLACKSMITH SHOP	896	2000			4	800	720	4000	3280
0026	K-2	JOBB THOMAS	BLACKSMITH SHOP	896	800			3	600	1140	3000	1860
0025	G-3	ELLIOTT LEWIS	BLACKSMITH SHOP	896	300			5	700	1000	2000	1000
0026	F-2	ROWEL WILLIAM	BLACKSMITH FORGE	896	2000			2	800	900	2000	1100
0026	I	STEWART ALEXAND	BLACKSMITH FORGE	896	100			3	250	1300	2000	700
0026	C-2	O'BRIEN JAMES	BLACKSMITH FORGE	896	200			1	400	300	1800	1500
0026	G-2	MCKAY WILLIAM	BLACKSMITH FORGE	896	500			2	300	340	1800	1460
0026	B-1	FLOOD WILLIAM	BLACKSMITH FORGE	896	500			1	60	200	1600	1400
0026	D-3	MCQUARRY HUGH	BLACKSMITH SHOP	896	400			3	800	300	1600	1300
0026	D-3	MCCELLER MALCOLM	BLACKSMITH SHOP	896	400			3	600	210	1560	1350
0025	B-1	STENSON HENRY	BLACKSMITH	896	1000			1	240	500	1500	1000
0026	A-2	DOWNS WILLIAM	BLACKSMITH FORGE	896	600			2	300	600	1500	900
0026	B-1	GRUNDY JOHN	BLACKSMITH FORGE	896	1000			2	300	600	1500	900
0026	C-2	MCLAUGHLIN THOMAS	BLACKSMITH FORGE	896	200			2	400	500	1500	1000
0025	C-2	BUCKINGHAM SAMUEL	BLACKSMITH FORGE	896	200			2	300	400	1200	800
0026	F-2	DEY ALEXANDER	BLACKSMITH FORGE	896	1000			2	500	600	1200	600
0026	F-2	HILLIER CHARLES	BLACKSMITH FORGE	896	500			2	600	200	1200	1000
0026	J-1	GARDNER JOHN J	BLACKSMITH FORGE	896	350			2	350	290	1200	910
0026	L-2	MACDONALD & TORRE	BLACKSMITH FORGE	896	600			2	600	105	1200	1095
0026	K-2	WALSH THOMAS	BLACKSMITH FORGE	896	500			2	175	550	1100	550
0025	D-2	COOPER JOHN	BLACKSMITH FORGE	896	500			2	65	500	1000	500
0025	D-3	CULLEN DAVID	BLACKSMITH SHOP	896	300			3	480	60	1000	940
0025	D-3	SIMPSON WILLIAM	BLACKSMITH SHOP	896	80			2	600		1000	
0025	D-3	CALWELL JOSEPH	BLACKSMITH SHOP	896	50			2	370		1000	
0026	B-1	VIDEAN GEORGE ?	BLACKSMITH FORGE	896	200			1		450	1000	550
0026	B-2	HOGAN PATRICK	BLACKSMITH FORGE	896	200			1	80	150	1000	850
0026	B-2	MCNIFF MICHAEL ?	BLACKSMITH FORGE	896	200			1	60	150	1000	850
0026	C-2	DOWNS ROBERT	BLACKSMITH FORGE	896	1000			2	300	350	1000	650
0026	D-3	CLARK JAMES	BLACKSMITH SHOP	896	230			2	400	120	1000	880
0026	F-2	MILLER JACOB	BLACKSMITH FORGE	896	300			3	80	400	1000	600
0026	L-3	ORR JAMES	BLACKSMITH SHOP	896	500			2	450	120	1000	880
0025	C-2	WEBSTER WILLIAM	BLACKSMITH FORGE	896	300			1	150	250	800	550
0025	C-2	CUDMORE JOHN	BLACKSMITH FORGE	896	200			1	35	150	800	650
0026	D-3	MITCHEL THOMAS R	BLACKSMITH SHOP	896	100			1	300	250	800	550
0026	H-3	BARBER GEORGE	BLACKSMITH FORGE	896	600			2	150	200	800	600
0025	B-1	MCLEOD GEORGE	BLACKSMITH FORGE	896	200			1		250	750	500
0026	K-1	SCOTT FRANK	BLACKSMITH FORGE	896	200			1	450	270	720	450
0026	B-1	PENNINGTON WILLIA	BLACKSMITH FORGE	896	100			1		300	700	400
0026	B-1	PENTLAND ROBERT	BLACKSMITH FORGE	896	200			1		150	700	550
0026	L-3	PARKER ROBERT	BLACKSMITH	896	300			1	300	120	700	580
0025	B-3	MCDONNALL ANDREW	BLACKSMITH	896	200			1	100	200	600	400
0025	C-1	CHITTICK JOHN ?	BLACKSMITH	896	400			2	80	100	600	500
0025	E-2	KIZER BENJAMIN	BLACKSMITH FORGE	896	300			2		200	600	400
0025	E-2	FUTAM JAMES ?	BLACKSMITH FORGE	896	300			2	300	300	600	300
0026	G-3	DUNCAN GEORGE	BLACKSMITH FORGE	896	200			1	200	350	600	250
0026	L-1	STEPHENS PATRICK	BLACKSMITH SHOP	896	200			1		100	600	500
0026	J-1	MCLEAN ARCHIBALD	BLACKSMITH FORGE	896	250			1	340	135	550	415
0025	F-3	SOFT WILLIAM	BLACKSMITH SHOP	896	150			2	150	120	520	400
0025	B-2	LOIR CHRISTIAN	BLACKSMITH FORGE	896	100			1		60	500	440
0025	D-2	MCCLYMONT THOMAS	BLACKSMITH FORGE	896	250			1		150	500	350
0025	E-2	COOK WILLIAM	BLACKSMITH FORGE	896	100			1		200	500	300
0025	F-3	MURCH WILLIAM	BLACKSMITH SHOP	896	100			2	40	125	500	375

HURON COUNTY: BLACKSMITHS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0025	G-3	NOLAN PETER	BLACKSMITH SHOP	896	100	.	.	1	.	100	500	400
0026	B-2	GRAHAM ROBERT	BLACKSMITH FORGE	896	100	.	.	1	.	200	500	300
0026	E-4	MONTGOMERY GEORGE	BLACKSMITH FORGE	896	200	.	.	2	100	150	500	350
0026	K-1	MOORE JOHN E	BLACKSMITH FORGE	896	400	.	.	2	25	150	500	350
0025	A-1	MITCHELL WILLIAM	BLACKSMITH FORGE	896	200	.	.	0	.	61	480	419
0026	K-2	CARRUTHERS THOMAS	BLACKSMITH FORGE	896	250	.	.	1	240	335	450	115
0025	A-2	SMITH MICHAEL	BLACKSMITH FORGE	896	300	.	.	1	.	150	400	250
0025	B-1	ERWIN JOSEPH	BLACKSMITH FORGE	896	200	.	.	1	.	120	400	280
0025	B-2	AXT FREDERICK ?	BLACKSMITH FORGE	896	200	.	.	1	40	100	400	300
0025	C-2	CATHCART HENRY	BLACKSMITH FORGE	896	100	.	.	2	50	.	400	.
0026	B-2	DREANY GEORGE	BLACKSMITH FORGE	896	100	.	.	1	.	50	400	350
0026	J-3	PLAYFORD SAMUEL	BLACKSMITH SHOP	896	1000	.	.	2	150	50	400	350
0026	L-3	PFaff CONRAD ?	BLACKSMITH FORGE	896	150	.	.	1	40	80	400	320
0025	B-2	KEMICK WILLIAM	BLACKSMITH SHOP	896	100	.	.	1	.	50	300	250
0025	C-4	DOUGLAS ROBERT	BLACKSMITH FORGE	896	200	.	.	1	300	200	300	100
0026	G-2	WHEELAR CHARLES	BLACKSMITH FORGE	896	80	.	.	1	.	100	300	200
0026	I	MURRAY JOHN	BLACKSMITH FORGE	896	.	.	.	1	.	50	300	250
0026	K-2	MITCHELL JOHN	BLACKSMITH SHOP	896	100	.	.	1	275	160	300	140
0026	D-1	KERR SAMUEL	BLACKSMITH FORGE	896	150	.	.	1	.	150	200	50
0025	C-1	CAVE THOMAS	BLACKSMITH FORGE	896	150	.	.	1	40	12	75	63
0025	C-3	HISLOP THOMAS	BLACKSMITH FORGE	896	500	.	.	1	.	.	60	.
0025	B-2	WIDEMAN JOSEPH	BLACKSMITH FORGE	896	50	.	.	1	30	16	40	24
0026	L-2	PADFIELD JAMES	BLACKSMITH FORGE	896	140	.	.	1	360	600	.	.
0025	D-4	MCDONALD DUNCAN	BLACKSMITH FORGE	896	100	.	.	1	.	.	.	.
0025	F-4	ENTICKNAP JAMES	BLACKSMITH FORGE	896	40	.	.	1	.	5	.	.
0026	D-2	WALSH THOMAS	BLACKSMITH SHOP	896	500	.	.	1	300	.	.	.
0026	E-3	RIED SAMUEL	BLACKSMITH SHOP	896	27020	.	.	0	125	16505	66955	44976

HURON COUNTY: FIRMS WITH 25+ HP INANIMATE POWER, 1871

CDID	CED	PROPRIOR	TYPEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0025	G-3	PLATT	MARY AN	TECUMSETH SALT W	079	21500	STEAM	225	19	7500	40000	15000
0025	G-1	PARKYN	JAMES ?	GRIST/FLOUR MILL	105	15000	W/S	75	8	2650	488726	23072
0026	C-1	LEES & DOUGLAS	CLOTH FACTORY	182	6000	WATER	72	7	900	3000	6000	3000
0025	B-2	CARRICK WILLIAM	SAW MILL	251	5000	STEAM	62	6	1500	1800	2500	700
0025	B-2	CARRICK WILLIAM	GRIST MILL	105	3000	STEAM	62	1	350	7500	9500	2000
0026	E-4	PENNINGTON THOMAS	GRIST MILL	105	5000	WATER	60	1	480	13500	14625	1125
0026	L-1	LEECH EDWARD	GRIST MILL	105	8000	WATER	50	2	700	25000	28065	3065
0026	F-1	FAIR JAMES	FLOUR/GRIST MILL	105	10000	STEAM	45	6	2100	52325	35690	-16635
0025	D-3	THOMSON JAMES	GRIST MILL	105	6000	STEAM	40	2	700	20000	22000	2000
0025	D-3	TURNER WILLIAM	GRIST/SAW MILL	105/251	2000	STEAM	40	2	400	1000	1000	.
0025	D-3	THOMSON JAMES	SAW MILL	251	3000	WATER	40	1	300	1500	2500	1000
0025	G-1	SOMERVILLE JOHN B	FLOUR/GRIST MILL	105	5000	STEAM	40	3	1200	39000	38701	-299
0025	G-1	BUTLER JOHN	HURON SALT MF CO	079	15000	STEAM	40	9	3700	1800	30000	28200
0025	G-3	STANDLY & CO	SAW MILL/STAVE F	251	20000	STEAM	40	60	12000	30500	48000	17500
0026	B-1	HARRIS WILLIAM	GRIST MILL	105	4000	WATER	40	2	500	22000	25000	3000
0026	B-1	HARRIS WILLIAM	SAW MILL	251	2000	WATER	40	1	300	200	500	300
0026	F-2	RACEY J B	GRIST/OATMEAL MI	105/105-O	10000	STEAM	40	4	1500	30000	50000	20000
0026	I	SHEARSON WM A &	FLOUR MILL	105	20000	STEAM	40	10	4400	100000	110000	10000
0026	K-2	FISHER ARCHIB	SAW/LATH MILL	251	3700	WATER	40	8	1456	1600	4676	3076
0026	K-2	FISHER PETER	FLOUR MILL	105	6000	WATER	40	2	800	2500	6000	3500
0026	K-2	GREGORY JOHN	FLOUR/OATMEAL MI	105/105-O	10000	WATER	40	3	500	15000	22000	7000
0026	L-1	FEBEND CHARLES	GRIST MILL	105	3000	WATER	40	2	200	6500	7450	950
0026	L-3	GIBSON T & R	GRIST MILL	105	2000	WATER	40	2	500	20000	26650	6650
0025	D-2	JOHNSTON JAMES	SAW MILL	251	1500	STEAM	36	4	450	1500	2000	500
0025	A-1	HILDRIETH HENRY	GRIST MILL	105	3500	STEAM	35	2	622	18180	21000	2820
0025	A-4	SUTTON DENNIS	SAW MILL	251	3500	STEAM	35	11	1128	450	1862	1412
0026	E-3	KNOX ROBERT H	SAW MILL	251	1000	WATER	35	1	.	600	72	-528
0026	F-2	WHITEHEAD JOSEPH	FLOUR MILL	105	22500	STEAM	35	5	1500	50000	55000	5000
0026	G-2	SHERIFF CHARLES	GRIST MILL	105	6000	STEAM	35	3	400	30000	34000	4000
0026	G-3	KELLY PATRICK	FLOUR MILL	105	8600	STEAM	35	4	1400	26000	36000	10000
0026	G-3	KELLY PATRICK	SAW MILL	251	6000	STEAM	35	5	1400	2000	3600	1600
0026	H-1	KIDD JOSEPH	SAW MILL	251	5000	STEAM	35	9	2000	14000	28000	14000
0026	I	MARSHALL WALTER	FLOUR MILL	105	6000	STEAM	35	4	1250	17980	20730	2750
0026	J-1	SMITH & ROBERTSON	SAW MILL	251/251-S	4000	STEAM	35	6	700	6000	15000	9000
0025	A-2	EIDT JACOB L	GRIST MILL	105	1000	STEAM	30	3	600	18000	22100	4100
0025	A-4	FULTON WILLIAM	SAW MILL	251	2000	STEAM	30	8	1808	4992	9360	4368
0025	E-4	RANSFORD RICHARD	SAW MILL	251	3000	STEAM	30	6	500	1000	1600	600
0025	G-3	WHITEBY & STURDY	DOMINION SALT WO	079	12000	STEAM	30	7	2190	525	10500	9975
0025	G-3	KAY JOHN	ONTARIO SALT WOR	079	10000	STEAM	30	6	2000	500	8000	7500
0026	A-2	LAVAGE WILLIAM	SAW MILL/STAVE F	251	4000	STEAM	30	9	2020	4500	13000	8500
0026	B-1	DISHER THOMAS	CARDING/FULLING	189-W	5000	WATER	30	1	100	300	1200	900
0026	E-4	DICKSON JOHN	GRIST MILL	105	1600	WATER	30	4	800	1350	11375	875
0026	E-4	CULLIS JOHN	SAW MILL	251	4000	STEAM	30	7	2560	4220	8400	4180
0026	F-1	FAIR JAMES	SAW MILL	251	3000	STEAM	30	20	5000	6000	14000	8000
0026	F-2	RANSFORD RICHARD	STAVE FACTORY	259-C	4000	STEAM	30	4	1000	4500	6000	1500
0026	J-2	MILNIE JOHN	SAW MILL	251/251-S	2000	STEAM	30	8	2000	4000	8000	4000
0026	J-3	MACRAW WILLIAM	SAW/LATH MILL	251	8000	WATER	30	2	50	6200	7440	1240
0026	L-1	WILSON THOMAS	GRIST MILL	105	6000	STEAM	30	4	150	2500	4000	1500
0026	L-2	WEBSTER & BROS	SAW MILL	251	1500	WATER	28	2	250	700	1500	800
0026	E-4	MONTEITH ALEXANDE	SAW MILL	251	1300	STEAM	22	4	228	1500	5700	4200
0026	K-1	GENMEL D & J	SAW MILL	251	3000	STEAM	26	25	9000	2400	35000	32600
0025	E-4	RANSFORD RICHARD	SALT WORKS	079								

HURON COUNTY: FIRMS WITH 25+ HP INANIMATE POWER, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0026	B-1	PHILLIPS SAMUEL	SAW MILL	251	1300	WATER	26	1	.	150	600	450
0025	A-4	HANNAH JAMES	SAW MILL	251	3000	STEAM	25	8	744	500	1500	1000
0025	B-2	RENNIE SAMUEL	SAW MILL/SHINGLE	251/251-S	4000	STEAM	25	8	600	2000	8400	6400
0025	B-2	FRIED ABSOLOM & N	SAW MILL	251	3000	STEAM	25	3	1200	5000	10150	5150
0025	B-2	FRIED ABSOLOM & N	GRIST MILL	105	2000	STEAM	25	1	300	4000	4850	850
0026	A-1	GODERICH SALT WOR	SALT WORKS	079	15000	STEAM	25	16	7000	2400	40000	37600
0026	A-1	MILLER DANIEL	GRIST MILL	105	4000	WATER	25	1	130	1500	1800	300
0026	A-1	KIRKPATRICK & SUG	SALT MANUFACTORY	079	8000	STEAM	25	5	2000	800	13000	12200
0026	D-3	MOORE R N	SAW MILL	251	2000	STEAM	25	5	800	1600	2300	700
0026	E-4	MELVILLE LAWRENCE	SAW MILL	251	1000	WATER	25	2	250	800	1600	800
0026	G-2	BROWN ALFRED	SAW/SHINGLE MILL	251/251-S	3000	STEAM	25	8	1000	4000	11100	7100
0026	H-2	ROCK GEORGE	GRIST MILL	105	7000	W/S	25	2	480	19500	19550	50
0026	H-3	GOWANLOCK ANDREW	SAW MILL	251	3000	STEAM	25	10	3000	9000	12000	3000
0026	I	SEG MILLER FRANK ?	OATMEAL/HARLEY M	105-O/105	8000	STEAM	25	5	2500	20000	25000	5000
0026	J-1	MCALLISTER ROBERT	SAW MILL	251	2500	WATER	25	7	850	3000	4000	1000
0026	J-2	MORRISON & SMITH	SAW MILL	251/251-S	3000	STEAM	25	4	1000	3000	5500	2500
0026	J-3	REDFORD & HAYWARD	SAW/LATH MILL	251	22500	STEAM	25	10	2500	5000	10000	5000
0026	K-2	GREGORY JOHN	SAW/LATH/PLANING	251	5000	WATER	25	4	700	1300	3475	2175
0026	L-3	FOUND & KEY	SAW MILL	251	3000	STEAM	25	3	300	400	850	450
							2645	439	111596	1208726	1583879	374153
							457500					

HURON COUNTY: FIRMS EMPLOYING 2+ FEMALES IN 1871

CDID	CED	PROPRIOR	TYPEST	SIC	FIXCAP	TYPEPOW	FORCE	FEMALE	WAGES	SUMRAWC	SUMPROC	VADD
0026	I	MCINTOSH	MARGARE	MILLINER/DRESSMA	249-M	100	.	10	.	150	200	50
0026	I	HAMILTON	MRS C	MILLINERY	244	2000	.	9	900	4500	5400	900
0026	G-4	HICKSON & CO	MILLINERY	249-M	300	300	.	8	100	1000	1400	400
0026	I	MCLEAN	ALEXAND	TAILOR ESTABLISH	242	300	.	7	2514	4000	6000	2000
0025	G-3	KAY	W & G	TAILORING SHOP	242	2500	.	6	500	1500	3000	1500
0025	G-4	FOSTER & MORLEY	WOOLEN MANUFACTU	182	200	6000	16	5	.	.	300	.
0026	F-1	ANDERSON	THOMAS	CLOTHING STORE	243	500	.	5	3500	7500	9000	1500
0026	I	FORBY	MARY	MILLINERY SHOP	249-M	200	.	4	1000	2000	4000	2000
0025	G-3	FISHER & BARTON	CLOTHING/MILLINE	242	800	200	.	4	300	500	500	0
0026	F-2	WELLS THOMAS	CHEESE FACTORY	104	100	100	.	3	1400	3000	6000	3000
0025	D-3	MILLAR	BETSY	WEAVING SHOP	182-W	60	.	3	500	.	1000	.
0025	G-3	MCCORMICK	BERNARD	TAILORING SHOP	242	100	.	3	125	.	370	.
0026	I	GLOVER	ANN	MILLINER SHOP	249-M	100	.	3	150	300	1200	900
0026	I	SUTHERLAND	ROBERT	TAILOR SHOP	243	500	.	3	36	600	1000	400
0026	K-2	MATHESON G P	WOOLEN FACTORY	182	1700	WATER	12	3	1120	2000	4080	2080
0025	A-1	KILPATRICK	GEORGE	WOOLEN FACTORY	182	3500	10	2	1800	15000	21500	6500
0025	A-1	MANNING	RICHARD	CHEESE FACTORY	104	2200	.	2	283	1200	1990	790
0025	B-2	RENNIE	SAMUEL	SAW MILL/SHINGLE	251	4000	25	2	800	1522	2644	1122
0025	E-1	MALCOLM	ANDREW	CHEESE FACTORY	104	1700	.	2	600	2000	8400	6400
0025	E-1	MCKAY	WEAVER	182-W	60	209	.	2	928	6160	8870	2710
0025	E-2	WEBB THOMAS	BRICK/TILE FACTO	351-B	200	HORSE	1	2	100	209	500	291
0025	E-2	STODDART	JOHN	DRESSMAKING/MILL	244	30	.	2	50	40	700	660
0025	E-3	SHEPPERD	JAMES	WEAVING EST	182-W	30	.	2	.	200	300	100
0025	F-3	SMITH	W G	TANNERY	172	4000	10	2	20	200	400	200
0025	G-2	ARCHIBALD	C E	CLOTHING/TAILOR	242	1000	.	2	500	3000	5000	2000
0025	G-3	LEES & DOUGLAS	CLOTH FACTORY	182	6000	WATER	72	2	1000	3000	1000	.
0026	C-1	WYNN ANNIE	DRESSMAKER SHOP	244	.	.	.	2	900	3000	6000	3000
0026	G-2	INGRAM	ISAIAH	LOOM	182-W	35	.	2	.	.	150	.
0026	H-3	STEWART D & CO	SHINGLE MILL	251-S	1000	STEAM	12	2	70	500	1000	500
0026	K-1	GRELAND	PETER	SHINGLE FACTORY	251-S	2000	20	2	1000	1000	4000	3000
0026	L-3	FORSYTH	ROBERT	WOOLEN FACTORY	182	1600	12	2	700	1100	2400	1300
0026	L-3	KNUTSON	JOHN K	TAILORING EST	242	800	.	2	1550	5800	5800	.
0026	L-3					800	.	2	275	1450	2000	550
						43485	190	115	22721	63631	116104	43853

HURON COUNTY: ALL FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0025	F-4		BOOT/SHOE SHOP	174	20			1		500	750	250
0026	I		MILLINERY EST	244/249-M	2000			9	900	4500	5400	900
0026	I		MILLINERY	244				1		100	400	300
0026	J-3		BLACKSMITH SHOP	896	1000			2	150	50	400	350
0026	J-3		WAGON SHOP	329	400			2	150		600	
0026	K-2	ABRAHAM THOMAS	BOOT/SHOE SHOP	174	300			2	450	750	1450	700
0025	C-4	ABRAY WILLIAM H	GRIST MILL	105	1200	STEAM	16	2	300	2500	3000	500
0025	G-1	ACHESON WILLIAM	SADDLER SHOP	179-S	400			5	1000	700	2500	1800
0025	G-1	ADAMS DAVID	TAILOR ESTABLISH	242	200			3	900	800	2100	1300
0026	J-3	ADAMS R R	SAW MILL	251	2600	STEAM	5	5		1200	3000	1800
0026	G-2	AINLEY JOHN	GRAIN CRADLE SHO	306	20			1		19	110	91
0026	K-2	AINSLEY JOHN	IRON FOUNDRY	311	2000	STEAM	5	4	1000	400	6000	5600
0026	K-2	ALEN JAMES	SHINGLE FACTORY	251-S	600	STEAM	10	3	288	375	1200	825
0026	L-2	ALEXANDER SAMUEL	WEAVER	182-W	50			1	150	1200	1200	0
0026	L-3	ALLEN & MILLER	CABINET MF	261	2000	W/S	10	9	3000	600	5500	4900
0025	C-1	ALLEN ALFRED	CARPENTER/JOINER	421-C				2	250	50	1400	1350
0026	H-3	ALLEN JOHN	WEAVING LOOM	182-W	36			2		800	1000	200
0026	L-1	ALLEN MARGARET A	WEAVING EST	182-W	11			1		315	605	290
0025	C-3	ALLIN THOMAS	BOOT/SHOE SHOP	174				1	150	150	300	150
0026	I	ANDERSON THOMAS	CLOTHING STORE	243	500			7	1000	2000	4000	2000
0025	C-1	ANDREW GEORGE	WAGONMAKER	329				1		28	250	222
0026	K-2	ANDREWS ANDREW &	SADDLE/HARNESS S	179-S	75			3	600	700	1400	700
0025	G-3	ARCHIBALD C E	CLOTHING/TAILOR	242	1000			6	1000		1000	
0025	D-3	ARMSTRONG JAMES	COOPER SHOP	259-C	250			2	600	120	750	630
0025	G-1	ARMSTRONG JOHN	PUMP/CHURN MF	315-P/259-C	500			2	700	300	1800	1500
0026	C-1	ARMSTRONG WM	SAW MILL	251	2000	WATER	20	4	600	3000	7000	4000
0026	L-2	ARNEIL JOHN	WEAVER	182-W	20			1	150	45	300	255
0026	L-1	ARNOLD GEORGE	HARNESS SHOP	179-S	100			1	300	300	1400	1100
0026	E-4	ASKWITH CHARLES	BRICK/TILE FACTO	351-B	1000	HORSE	1	4	200		300	
0025	B-2	AXT FREDERICK ?	BLACKSMITH	896	200			1	40	100	400	300
0025	B-1	BAKER HENRY	WAGONMAKER	329	150			1		160	500	340
0025	A-2	BAKER WILLIAM	PUMP FACTORY	315-P	200			1		15	370	355
0025	A-3	BANES WILLIAM	PUMP SHOP	315-P	200			1		20	85	65
0026	H-3	BARBER GEORGE	BLACKSMITH SHOP	896	600			2	150	200	800	600
0026	K-1	BARKER WILLIAM	SHOEMAKER SHOP	174	300			2	300	300	800	500
0026	L-3	BARKER WILLIAM	SHOE MAKING DEPT	174	1500			4	1100	1960	3460	1500
0026	L-3	BARKER WILLIAM	TANNERY DEPT	172	1500			2	470	1250	2500	1250
0026	K-2	BARKLEY THOMAS	TAILORING EST	242	60			2			625	
0025	G-1	BARRY GEORGE	FURNITURE/CABINE	261	600	STEAM	3	2	600	800	4000	3200
0025	G-3	BATES GEORGE	COOPERAGE	259-C	400			7	3240	5400	9500	4100
0025	G-3	BATES JOHN	WAGON SHOP	329	700			2	500	300	2340	2040
0026	L-1	BATH JOHN	SAW MILL	251	500	WATER	20	1	200	400	1200	800
0025	A-3	BEIMES GEORGE	PUMP FACTORY	315-P	40			3		10	96	86
0026	I	BELL THOMAS	CABINET FACTORY	261	3000	STEAM	4	8	2500	7000	10800	3800
0025	E-1	BELL ANDREW	SAW MILL	251	800	WATER		1	26	300	510	210
0025	B-1	BELL DANIEL	SAW MILL	251	1500	WATER		2	300	1000	2000	1000
0025	B-1	BELL PAUL D	SAW MILL	251	2000	W/S	20	1		40	224	184
0025	B-1	BELL PAUL D	CARDING MILL	189-W	2000	W/S	20	1		1470	200	-1270
0026	D-2	BENGAUGH WILLIAM	TAILOR SHOP	243	250			1	300	320	700	380
0025	D-1	BERNE MILLING CO	GRIST MILL	105	3300	STEAM	22	3	300	15000	1500	-13500
0026	H-3	BIERNES THOMAS	POT ASHERY	378-P	100			1		50	150	100

HURON COUNTY: ALL FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0025	D-3	BIRCHEN JACOB ?	CARDING/FULLING	189-W	1200	STEAM	12	2	30	.	620	.
0026	D-3	BIRCH ROBERT H	POTASH FACTORY	378-P	200		.	2	300	162	792	630
0025	A-2	BISSETT ROBERT	BRICK YARD	351-B	500	HORSE	2	5	625	100	1600	1500
0025	A-1	BISSETT T & R	TIN SHOP	304-T	250		.	2	616	200	1000	800
0025	C-3	BLATCHFORD RICHAR	BLACKSMITH SHOP	329	.		.	3	400	275	600	325
0026	E-4	BLENHAM JAMES	BLACKSMITH FORGE	329-P	400		.	3	400	1000	2000	1000
0025	E-3	BOCHLER VALENTINE	POTTERY	351-P	300		.	1	.	.	300	.
0026	L-1	BONN GEORGE ?	TAILORING SHOP	243	50		.	1	100	800	980	180
0025	G-1	BOOSEY WILLIAM J	COOPERAGE	259-C	250		.	5	1353	2172	3800	1628
0025	E-4	BORDEN JOHN	BRICK YARD	351-B	200		.	8	800	.	1750	.
0026	L-3	BOWER HENRY ?	WAGON/CARRIAGE W	329	600		.	1	.	32	350	318
0026	K-2	BOWERS WILLIAM	SADDLE/HARNESS E	179-S	600		.	3	500	900	1600	700
0026	L-1	BOWYER THOMAS	LIME KILN	358-L	750		.	2	568	100	740	640
0026	K-2	BRACE L J & C	SAW MILL/SHINGLE	251/251-S	4000	STEAM	20	9	1200	1000	4542	3542
0025	A-1	BROWN DIGORY	WAGON FACTORY	329	1000		.	3	438	860	2500	1640
0025	E-3	BRETT ROBERT	TANNERY	172	2500	STEAM	6	3	500	2500	4000	1500
0025	E-2	BRIGGS J EDWARD	SHOEMAKER SHOP	174	200		.	2	150	525	919	394
0025	D-4	BRIGGS O E	TANNERY	172	500	HORSE	2	2	250	800	.	.
0025	C-1	BRIMCOMB JOHN	SHOEMAKING	174	.		.	1	.	400	640	240
0026	I	BROADFOOT & GRAY	PLANING MILL	254	6000	STEAM	15	11	4000	4800	12500	7700
0025	G-3	BROOKS WILLIAM	WAGON SHOP	329	1000		.	2	700	300	2000	1700
0026	G-2	BROWN ALFRED	SAW/SHINGLE MILL	251/251-S	3000	STEAM	25	8	1000	4000	11100	7100
0026	A-2	BROWN CHARLES	SHOEMAKER SHOP	174	.		.	2	.	400	550	150
0026	G-1	BROWN JOHN	SAW MILL	251	500	WATER	10	1	.	2000	2750	750
0026	K-1	BRUCE ALEX	SHOEMAKER SHOP	174	300		.	1	200	300	750	450
0026	E-4	BRUNSDON JOHN	WAGON SHOP	329	1000	HORSE	4	3	600	400	1500	1100
0025	C-2	BRYANT WILLIAM	WAGON FCY/BLACKS	329	200		.	1	250	86	700	614
0025	G-1	BUCHANAN/LAWSON/C	SASH/DOOR/BLIND	254	4000	STEAM	20	8	1452	2400	6000	3600
0025	C-2	BUCKINGHAM SAMUEL	BLACKSMITH FORGE	896	200		.	2	300	400	1200	800
0026	E-4	BULGER & SMITH	SHOEMAKER SHOP	174	208		.	2	500	600	2000	1400
0025	D-3	BURGER THOMAS	COOPER SHOP	259-C	.		.	2	.	.	600	.
0025	F-4	BURNS DAVID W	POTTERY	351-P	200	HORSE	1	1	.	.	600	.
0026	J-2	BURROWS CHARLES	SAW MILL	251	1840	WATER	.	8	1200	2500	5000	2500
0025	G-1	BUTLER JOHN	HURON SALT MF CO	079	15000	STEAM	40	9	3700	1800	30000	28200
0025	D-3	BUVINE GEORGE ?	BLACKSMITH/WAGON	329	150		.	4	800	1000	2000	1000
0026	J-3	CALDER JAMES	SHINGLE MILL	251-S	800	STEAM	5	5	350	250	900	650
0025	D-3	CALWELL JOSEPH	BLACKSMITH SHOP	896	50		.	2	370	.	1000	.
0025	D-3	CAMERON DONALD	SADDLER/HARNESS	179-S	1000		.	3	1200	.	2000	.
0025	E-3	CAMERON SAMUEL	TAILOR SHOP	242	100		.	1	.	100	200	100
0026	C-2	CAMPBELL ROBERT	SADDLE/HARNESS S	179-S	300		.	1	375	400	1400	1000
0026	L-1	CAMPBELL THOMAS	BLACKSMITH SHOP	329	200		.	1	100	300	500	200
0026	B-2	CARACK WILLIAM	TANNERY	172	700	STEAM	8	1	232	960	2400	1440
0025	G-2	CARL MICHAEL	COOPERAGE SHOP	259-C	500		.	1	400	.	1500	.
0025	B-1	CARRICK WILLIAM	SAW MILL	251	.		.	4	500	1000	2000	1000
0025	B-2	CARRICK WILLIAM	SAW MILL	251	5000	STEAM	62	6	1500	1800	2500	700
0025	B-2	CARRICK WILLIAM	GRIST MILL	105	3000	STEAM	62	1	350	7500	9500	2000
0025	A-3	CARROLL BARTHOLEM	COOPER SHOP	259-C	70		.	2	144	80	500	420
0026	K-2	CARRUTHERS THOMAS	BLACKSMITH FORGE	896	250		.	1	240	335	450	115
0025	D-3	CARSON MARY	WEAVER	182-W	10		.	1	50	.	100	.
0026	E-4	CASHERLINE ANTHON	BLACKSMITH FORGE	329-P	400		.	3	400	800	1700	900
0025	G-1	CASSIDY FRANCIS	SHOEMAKER SHOP	174	100		.	2	600	1000	2000	1000

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CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0025	C-2	CATHCART HENRY	BLACKSMITH FORGE	896	100			2	50		400	.
0026	I	CAVANAGH JOHN	BAKERY	107	500			2	150	3120	4000	880
0025	C-1	CAVE THOMAS	BLACKSMITH FORGE	896				1			150	.
0025	F-3	CHARLESWORTH HENR	FLOUR MILL	105	9000	WATER	20	2	300	15000	16800	1800
0025	F-3	CHARLESWORTH HENR	SAW MILL	251	1000	WATER	20	2	200	1000	1190	190
0025	C-1	CHITTICK JOHN ?	BLACKSMITH	896	400			2	80	100	600	500
0025	D-3	CHRISTER EDWARD	CABINETMAKER	261	50			2	144	24	336	312
0025	A-4	CHRISTIAN STEPHEN	WEAVING LOOM	182-W	40			2	72	233	305	72
0025	A-2	CLARK JAMES	HARNES SHOP	179-S	500			3	70	500	1600	1100
0026	D-3	CLARK JAMES	BLACKSMITH SHOP	896	230			2	400	120	1000	880
0025	G-3	CLIFFORD EDWIN	BAKERY	107	2000			3	1000	10000	20000	10000
0026	E-4	CLIFTON CHARLES	POTASH FACTORY	378-P	200			1	200	100	500	400
0026	E-1	COATES WILLIAM	CARPENTER SHOP	259	200			1	300	45	400	355
0025	D-4	COCK ANDREW	GRIST MILL	105/105-O	4000	WATER	10	1		2000	2000	0
0025	E-3	COLEBERT HENRY	BREWERY	109-B	2000	HORSE	2	3	600	500	2800	2300
0026	I	COLEMAN & GOWANLO	SALT WELL	079	35000	STEAM	20	30	10250	1800	26000	24200
0025	C-1	COOK THOMAS	CHEESE FACTORY	104	400			1	24	1315	1500	185
0025	F-2	COOK WILLIAM	BLACKSMITH FORGE	896	100			1		200	500	300
0026	F-2	COOPER WILLIAM	PLANING FACTORY	251	1200	STEAM	7	3	1000	300	2500	2200
0025	D-2	COOPER JOHN	BLACKSMITH FORGE	896	500			2	65	500	1000	500
0026	K-2	CORMAN JOHN ?	COOPER SHOP	259-C	200			2	480	100	800	700
0026	I	COVENTRY THOMAS	BOOT/SHOE MF	174	4000			5	1782	2961	5312	2351
0025	G-3	COX & MCDONAL	BROOM FACTORY	399-B	500			3	1092	1760	4000	2240
0026	C-2	CRAIG & MURPHEY	SAW MILL	251/251-S	4000	STEAM	20	4	500	2500	3500	1000
0026	E-4	CRAYEN RICHARD	LIME KILN	358-L	60			1	100	10	500	490
0026	B-2	CRAWFORD JAMES	GRIST MILL	105	2000	WATER	20	2	720	10000	10720	720
0026	C-2	CRAWFORD WILLIAM	WAGON SHOP	329	400			2	400	350	2500	2150
0025	B-2	CREIMAN CHARLES ?	TINSMITH	304-T	500			1		60	150	90
0025	C-1	CROCKER JOHN	JOINER/CARPENTER	259				1			100	.
0026	F-2	CRUICKSHANK CHARL	BOOT/SHOE MF	174	2500			7	2400	2500	3800	1300
0025	C-2	CUDMORE JOHN	BLACKSMITH FORGE	896	200			1	35	150	800	650
0025	D-3	CULLEN DAVID	BLACKSMITH SHOP	896	300			3	480	60	1000	940
0026	E-4	CULLIS JOHN	SAW MILL	251	1600	WATER	30	4	800	1350	4182	2832
0026	G-3	CURTIS WILLIAM	SHINGLE/HEADING	251-S	2500	STEAM	17	6	1100	700	3162	2462
0025	E-3	DANBY JOHN	WEAVING	182-W	70			2		720	900	180
0026	L-1	DANZER JOSEPH	SHOE SHOP	174	50			1		120	240	120
0026	A-2	DART ANDREW	CARRIAGE/WAGON F	329	400			2	230		800	.
0026	K-1	DAVIS HENRY	CARRIAGE/WAGON S	329	600			3	800	300	2000	1700
0025	C-2	DAVIS RICHARD	WAGON FCY/BLACKS	329/896	650			4	700	625	1800	1175
0026	A-1	DAVIS & SHEMATH ?	SALT MANUFACTORY	079	100			3	900	1200	16000	14800
0025	B-2	DEICHERT JOHN	BLACKSMITH	329	600			2	400	600	900	300
0026	A-1	DETTIOR SAMUEL	SALT MANUFACTORY	079	10000	STEAM	10	9	2500	1200	20000	18800
0025	D-1	DETTWEILER HENRY	SAW MILL	251	300	WATER	10	1		150	300	150
0025	C-4	DEWAR JAMES	SHOEMAKER SHOP	174	200			2	400	450	650	200
0026	C-2	DEY ALEXANDER	BLACKSMITH FORGE	896	1000			2	500	600	1200	600
0026	E-4	DICKSON JOHN	GRIST MILL	105	5000	WATER	30	1	500	10500	11375	875
0026	E-4	DICKSON JOHN	SAW MILL	251	1000	WATER	20	2	200	750	1800	1050
0026	L-3	DICKSON ROBERT	TAILORING EST	242	400			1	75	200	600	400
0025	B-2	DIECHERT NICHOLAS	HARNESMAKER	179-S	500			2	200	350	1000	650
0026	I	DILLEMS WILLIAM	TAILOR SHOP	242	.			2	175	300	700	400
0026	L-1	DILSWORTH HENRY	WEAVING EST	182-W	25			1		140	180	40

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0025	C-3	DINNIN WILLIAM	AGRC IMPL FACTOR	259/311	2500	STEAM	8	3	350	90	1000	910
0026	B-1	DISHER THOMAS	CARDING/FULLING	189-W	5000	WATER	30	1	100	300	1200	900
0025	F-2	DOAN & HILL	TANNERY	172	3000	STEAM	10	2	500	4000	6000	2000
0026	G-1	DODD HENRY	FANNING MILL/RAK	311	700	HORSE	2	6	1500	464	3145	2681
0026	K-2	DODDS ALEXAND	PUMP MANUFACTORY	315-P	400		.	1	366	600	920	320
0025	G-3	DONOGHY & SIMMONS	PRINTING OFFICE	289	1000		.	6	1400	1000	3000	2000
0026	C-2	DOUGLAS ROBERT	BLACKSMITH FORGE	896	200		.	1	300	200	300	100
0025	C-2	DOWEN JAMES	WAGON FACTORY	329	200		.	1	150	60	700	640
0025	C-3	DOWN HADLEY	TANNERY	172	500	HORSE	1	2	165	600	1000	400
0026	C-2	DOWNS ROBERT	BLACKSMITH FORGE	896	1000		.	2	300	350	1000	650
0026	A-2	DOONS WILLIAM	BLACKSMITH FORGE	896	600		.	2	300	600	1500	900
0026	B-2	DREANY GEORGE	BLACKSMITH FORGE	896	100		.	1	50	50	400	350
0025	D-3	DRESING PETER ?	TANNERY	172	1500	STEAM	12	3	500	2000	3000	1000
0025	A-1	DREW EDRED	FURNITURE EST	261	4800	STEAM	18	8	2504	480	3900	3420
0026	I	DUNCAN JULIUS	BOOT/SHOE SHOP	174	500		.	4	1300	1550	3000	1450
0025	E-3	DUNCAN DAVID	CARPENTER SHOP	421-C	400		.	2	250	480	1000	520
0026	K-1	DUNCAN GEORGE	BLACKSMITH FORGE	896	300		.	1	200	350	600	250
0025	G-2	DUNLOP HUGH	TAILORING SHOP	242	1500		.	2	600	1500	2760	1260
0025	C-2	EACRETT GEORGE	SADDLER/HARNESS	179-S	650		.	2	150	600	1000	400
0026	E-2	EAST THOMAS	BRICK YARD	351-B	100	HORSE	2	6	200	1500	1500	.
0025	D-3	EBERHERDT CHRISTI	BAKERY	107	300		.	1	30	1000	1200	200
0025	A-1	ECRETT CHARLES	HARNESSMAKER	179-S	300		.	2	30	500	1250	750
0025	B-3	EDIGHOFER ADAM ?	SHOEMAKER	174	445		.	1	120	150	500	350
0025	A-2	EIDT JACOB L	GRIST MILL	105	1000	STEAM	30	3	600	18000	22100	4100
0025	A-2	EILBER JACOB	CARPENTER SHOP	421-C	200		.	1	100	1500	3000	1500
0026	I	ELDER JOHN	STAVE FCY/COOPER	251/259-C	8000	STEAM	21	40	7000	5000	16000	11000
0026	L-2	ELLIOT JOHN	CHEESE FACTORY	104	400		.	4	50	390	220	-170
0025	G-3	ELLIOTT LEWIS	BLACKSMITH SHOP	896	300		.	5	700	1000	2000	1000
0026	J-2	EMSLEY PETER	FLOUR MILL	105	1200	WATER	.	1	300	.	.	.
0026	J-2	ENGLISS THOMAS	WAGON/BLACKSMITH	329/896	500		.	3	600	.	1000	.
0025	F-4	ENTICKNAP JAMES	BLACKSMITH FORGE	896	100		.	1	.	120	400	280
0025	B-1	ERWIN JOSEPH	BLACKSMITH FORGE	896	200		.	1	.	50	450	400
0025	B-3	ERWIN WILLIAM	WAGONMAKER	329	200		.	1	.	350	700	350
0026	L-1	EVIS WILLIAM ?	WEAVING EST	182-W	30		.	1	300	18	360	342
0025	F-1	FACH GEORGE	COOPER SHOP	259-C	70		.	1	2560	4220	8400	4180
0026	F-1	FAIR JAMES	SAW MILL	251	4000	STEAM	30	7	2100	52325	35690	-16635
0026	F-1	FAIR JAMES	FLOUR/GRIST MILL	105	10000	STEAM	45	6	600	450	1740	1290
0026	F-1	FAIR JAMES	COOPERAGE	259-C	300		.	2	600	450	1200	750
0025	A-1	FANSON WILLIAM	HARNESSMAKER	179-S	600		.	2	300	450	1200	750
0026	L-1	FEREND CHARLES	SAW MILL	251	1000	WATER	20	3	300	450	1120	670
0026	L-1	FEREND CHARLES	GRIST MILL	105	3000	WATER	40	2	200	6500	7450	950
0026	B-2	FERISH ROBERT	SAW MILL	251	1000	WATER	16	2	200	350	550	200
0026	K-2	FISHER ARCHIBA	SAW/LATH MILL	251	3700	WATER	40	8	1456	1600	4676	3076
0026	K-2	FISHER PETER	FLOUR MILL	105	6000	WATER	40	2	800	2500	6000	3500
0026	F-2	FISHER & BARTON	CLOTHING/MILLINE	242/249-M	800		.	5	1400	3000	6000	3000
0025	A-1	FITTON THOMAS	WATCH MAKING EST	695	200		.	1	468	600	1200	600
0026	K-2	FLACK JOSEPH ARTH	TANNERY	172	1000		.	1	60	200	1600	1400
0026	B-1	FLOOD WILLIAM	BLACKSMITH FORGE	896	500		.	1	900	500	800	300
0025	E-3	FLOURSHUTZ JOHN	TAILOR SHOP	242	100		.	1	300	1410	1410	.
0025	D-3	FOLLY WILLIAM	BOOT/SHOE SHOP	174	300		.	3	300	500	500	0
0025	G-3	FORBY MARY	MILLINERY SHOP	249-M	200		.	4	300	500	500	0

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0025	C-4	FORD SAMUEL	BLACKSMITH SHOP	311	400			3	600	500	2000	1500
0025	B-2	FORSTER NICHOLAS	BRICK/DRAIN FACT	351-B	1000	HORSE		3	400	200	1250	1050
0026	L-3	FORSYTH ROBERT	WOOLEN FACTORY	182	1600	WATER	12	9	1550		5800	
0026	K-2	FOSTER EDWARD	WAGONMAKER SHOP	329	200			2	312	150	625	475
0026	F-1	FOSTER & MORLEY	WOOLEN MANUFACTU	182	6000	STEAM	16	14	3500	7500	9000	1500
0025	F-3	FOSTER CHARLES	WEAVING EST	182-W	30			1	20	175	275	100
0026	E-3	FOSTER CHRISTOPHE	SAW MILL	251	600	WATER	12	3	600	600	1400	800
0026	L-3	FOUND & KEY	SAW MILL	251	3000	STEAM	25	3	300	400	850	450
0025	E-4	FOWLER WILLIAM	CHEESE BOX FACTO	256	500	STEAM	4	2	300	200	450	250
0025	E-4	FOWLER WILLIAM	CHEESE FACTORY	104	2200			6	600	2720	3900	1180
0026	B-2	FRASER ALEXANDER	SAW MILL	251	2000	STEAM	18	4	500	500	1200	700
0026	B-2	FRASER ALEXANDER	GRIST MILL	105	2000	STEAM	18	4	500	7800	9360	1560
0025	B-2	FRIED ABSALOM & N	SAW MILL	251	3000	STEAM	25	3	1200	5000	10150	5150
0025	B-2	FRIED ABSOLOM & N	GRIST MILL	105	2000	STEAM	25	1	300	4000	4850	850
0025	E-3	FULTON ROBERT	BLACKSMITH FORGE	329	500			3	300	420	3000	2580
0025	A-4	FULTON WILLIAM	SAW MILL	251	2000	STEAM	30	8	1808	4992	9360	4368
0025	A-4	FURSE SAMUEL	BOOT/SOEMAKER	174	250			4	1500	3576	6000	2424
0026	G-3	FUTTAM JAMES ?	BLACKSMITH FORGE	896	200			2	300	300	600	300
0025	C-3	FYFE JOHN	WOOLEN FACTORY	182	2000	STEAM	10	4	200		530	
0025	B-2	GALSTER SERVATIUS	WEAVER	182-W	50			1			250	
0026	J-1	GARDNER JOHN J	BLACKSMITH FORGE	896	350			2	350	290	1200	910
0025	D-3	GEMINHERDT JOHN ?	CABINETMAKER	261	250	STEAM	3	1		20	150	130
0026	K-1	GEMMEL D & J	SAW MILL	251	1300	STEAM	28	4	228	1500	5700	4200
0025	B-3	GENERIUS HYANCINT	LIME KILN	358-L				1			40	
0026	L-2	GIBON WILLIAM	WEAVER	182-W	50			1	50	100	150	50
0026	L-3	GIBSON & BLACK	SASH/DOOR FACTOR	254	450	WATER	7	5	700	500	2000	1500
0026	L-3	GIBSON ALEXANDER	SAW MILL	251	1200	WATER	20	4	800	1700	3500	1800
0026	E-1	GIBSON JOHN & EDW	CARPENTER SHOP	421-C/261	400			2	150	112	900	788
0026	L-3	GIBSON T & R	GRIST MILL	105	2000	WATER	40	2	500	20000	26650	6650
0025	A-1	GIDLY & CO	FURNITURE FACTOR	261	3500	STEAM	6	1	300	200	2000	1800
0026	F-2	GLASGOW/MCPHERSON	FOUNDRY	311			18	24	9000		21700	
0026	G-3	GLAZES ADAM	BOOT/SHOE SHOP	174	100			1	50	400	800	400
0026	A-1	GLEDHILL & BROS	SAW MILL	251	600	WATER	20	1	100	300	600	300
0026	A-1	GLEDHILL & BROS	WOOLEN MANUFACTO	182	2000	WATER	20	3	900	5000	6500	1500
0026	I	GLOVER ANN	MILLINER SHOP	249-M/244				3	36	600	1000	400
0026	A-1	GODERICH SALT WOR	SALT WORKS	079	15000	STEAM	25	16	7000	2400	40000	37600
0025	G-2	GORDON DAN	CABINET WAREHOU	261	2000			6	1000		3000	
0025	E-3	GORMLEY MICHAEL	WEAVING SHOP	182-W	70			1			150	
0026	L-1	GOULD HENRY	WEAVING EST	182-W	30			3		141	150	9
0025	C-2	GOULD JOHN	SOAP/POTASH FACT	376/378-P	400			2	740	1600	3800	2200
0026	H-3	GOWANLOCK ANDREW	SAW MILL	251	3000	STEAM	25	10	3000	9000	12000	3000
0026	H-2	GOWANLOCK THOMAS	SAW MILL	251	900	STEAM	12	5	200	732	2280	1548
0026	B-2	GRAHAM ROBERT	BLACKSMITH FORGE	896	100			1		200	500	300
0026	L-3	GRAHAM WILLIAM	CARPENTER SHOP	259	300			1		42	300	258
0026	I	GRASSIE GEORGE	WAGON SHOP	329	100			1	150		500	
0026	I	GRASSIE WILLIAM	CARRIAGEMAKER	329	4000			7	1000	850	5000	4150
0026	K-2	GREGORY JOHN	FLOUR/OATMEAL MI	105/105-O	10000	WATER	40	3	500	15000	22000	7000
0026	K-2	GREGORY JOHN	SAW/LATH/PLANING	251	5000	WATER	25	4	700	1300	3475	2175
0026	L-3	GRELAND PETER	SHINGLE FACTORY	251-S	2000	STEAM	20	5	300	1100	2400	1300
0025	C-2	GRIGG WILLIAM	TAILORING EST	242	400			2	300		800	
0026	I	GROTT SAMUEL	COOPER SHOP	259-C	600			2	700	1200	2000	800

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CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0026	B-1	GRUNDY JAMES	WAGON FACTORY	329	300	.	.	1	200	200	700	500
0026	B-1	GRUNDY JOHN	BLACKSMITH FORGE	896	1000	.	.	2	300	600	1500	900
0026	A-1	GUSBUSH JOSEPH	TANNERY	172	600	.	.	2	96	1000	1633	633
0026	E-4	HAGGARD THOMAS	CARPENTER SHOP	259	150	.	.	1	.	20	100	80
0026	L-2	HALL JOHN	WEAVER	182-W	50	.	.	2	150	100	700	600
0025	G-1	HALLIDAY ISAAC	SADDLERY/HARNESS	179-S	300	.	.	2	400	800	1300	500
0025	G-4	HAMILTON MRS C	MILLINERY	249-M	300	.	.	8	100	1000	1400	400
0025	A-4	HANNAH JAMES	SAW MILL	251	3000	STEAM	25	8	744	500	1500	1000
0025	A-1	HARRIS JOHN	WAGON SHOP	329	200	.	.	1	.	9	336	327
0026	B-1	HARRIS WILLIAM	GRIST MILL	105	4000	WATER	40	2	500	22000	25000	3000
0026	B-1	HARRIS WILLIAM	SAW MILL	251	2000	WATER	40	1	300	200	500	300
0026	L-1	HARRISON GEORGE	LIME KILN	358-L	50	.	.	2	150	50	150	100
0026	L-2	HARRISON GEORGE	LIME KILN	358-L	30	.	.	1	150	50	150	100
0026	I	HART H ?	MILLINERY SHOP	249-M/244	100	.	.	1	.	150	500	350
0025	A-1	HARWOOD GEORGE	CABINETMAKER	261	300	.	.	3	373	300	1000	700
0026	B-2	HAWKINS GEORGE	LIME KILN	358-L	50	.	.	1	.	50	80	30
0026	L-1	HAZELWOOD JOHN	WEAVING EST	182-W	20	.	.	3	.	141	200	59
0026	K-2	HEAGAN JAMES	CARPENTER SHOP	254	100	.	.	1	130	25	230	205
0026	K-2	HEBBLETHWAIT JOHN	CABINET FACTORY	261	350	.	.	1	388	136	800	664
0025	B-2	HESS CHRISTIAN	POTTERY	351-P	.	.	.	0	.	25	300	275
0025	B-2	HESS FREDERICK	WAGONMAKER SHOP	329	600	.	.	1	.	60	850	790
0025	B-3	HESS GEORGE	CARPENTER	254	200	.	.	1	.	150	500	350
0025	B-3	HEYRAK HENRY	SAW MILL	251	1000	WATER	15	1	52	150	375	225
0026	I	HICKSON JOHN & CO	TAILOR ESTABLISH	242	300	.	.	9	2514	4000	6000	2000
0025	E-2	HICKSON JOHN & CO	CHEESE FACTORY	104	2000	.	.	5	1000	5840	8300	2460
0025	A-1	HILDRITH HENRY	GRIST MILL	105	4500	STEAM	35	2	622	18180	21000	2820
0025	E-3	HILL THOMAS	WAGON SP/BLACKSM	329	700	.	.	4	900	1300	2500	1200
0026	E-4	HILL THOMAS	SHOEMAKER SHOP	174	50	.	.	1	.	60	100	40
0026	F-2	HILLIER CHARLES	BLACKSMITH FORGE	896	500	.	.	2	600	200	1200	1000
0025	C-1	HIND JOHN	JOINER/CARPENTER	421-C	.	.	.	3	300	31	600	569
0025	D-3	HINKSTON ARTHUR	SADDLER SHOP	179-S	60	.	.	2	500	800	1600	800
0026	C-2	HISCOCK ROBERT	BOOT/SHOE SHOP	174	150	.	.	2	400	500	1000	500
0025	C-3	HISLOP THOMAS	BLACKSMITH FORGE	896	150	.	.	1	40	12	75	63
0025	G-1	HODGE ARCHIBA	COOPERAGE	259-C	700	.	.	18	6000	9450	15450	6000
0026	B-2	HOGAN PATRICK	BLACKSMITH FORGE	896	200	.	.	1	80	150	1000	850
0025	D-3	HOHMAN VALENTINE	STOVE/TIN SHOP	304-T	300	.	.	2	300	1200	1800	600
0026	L-1	HOOKEER CHARLES	LIME KILN	358-L	400	.	.	2	120	800	4290	3490
0026	D-3	HOOVER JOSEPH	CARPENTER SHOP	259	40	.	.	1	67	36	250	214
0026	L-1	HUGHES ELISHA	SHINGLE FACTORY	251-S	3000	STEAM	16	5	380	1000	3200	2200
0026	L-3	HUMPHREY CHRISTOP	WAGONMAKER SHOP	329	700	.	.	1	25	25	350	325
0025	E-1	HUNT ROBERT	GRIST MILL	105	3000	WATER	.	2	150	29050	25280	-3770
0025	C-1	HUNTER JOHN	CHEESE FACTORY	104	1400	.	.	2	100	1620	1800	180
0026	L-1	HUSTON WILLIAM	TANNERY	172	700	HORSE	1	1	350	9060	11400	2340
0025	E-1	IMIERY JOHN ?	WEAVER	182-W	30	.	.	2	30	175	100	-75
0025	F-1	INGRAM ISAIAH	CARDING/FULLING	189-W	3000	WATER	10	5	.	1300	1300	.
0026	H-3	INGRAM ISAIAH	LOOM	182-W	35	.	.	2	70	500	1000	500
0026	E-4	JACKSON ARCHIBALD	COOPER SHOP	259-C	50	.	.	1	200	15	210	195
0025	E-3	JACKSON GEORGE	TANNERY	172	1500	HORSE	1	2	732	4000	5500	1500
0025	E-3	JACKSON GEORGE	SYRUPS/BITTERS	109-S	1500	.	.	3	990	4000	8000	4000
0026	L-1	JAMES RICHARD	FOUNDRY	307-S/311	2000	STEAM	6	1	360	1050	2000	950
0026	L-1	JAMES WILLIAM	WAGON/CARRIAGE S	329	100	.	.	1	.	50	300	250

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0025	E-3	JENKINS LEVI	PUMP FY/CABINETM	315-P/261	600			2	175	200	700	500
0026	K-2	JOBB THOMAS	BLACKSMITH SHOP	896	800			3	600	1140	3000	1860
0025	C-2	JOHNS DAVID	TIN SHOP	304-T	1000			1	150	500	1200	700
0026	F-2	JOHNS & MENZIE &	FURNITURE FACTOR	261	6000	STEAM		9	3500	1000	5000	4000
0026	I	JOHNSTON & BROS	TIN SHOP	304-T	500			1	450	500	1100	600
0025	D-2	JOHNSTON JOHN	SAW MILL	251	1500	STEAM		4	450	1500	2000	500
0026	E-1	JOHNSTON JOHN	LIME KILN	358-L	15			1	70	25	360	335
0026	L-1	JOHNSTON ROBERT J	TANNERY/GLOVE MF	172/175	400	HORSE		1		60	360	300
0026	K-2	JOHNSTON THOMAS &	WAGONMAKER SHOP	329	300			3	312	246	856	610
0026	L-1	JOHNSTON WILLIAM	BLACKSMITH SHOP	329	500			1	240	250	1000	750
0025	B-3	KALBFLEISH H J	SAW MILL	251	400	STEAM		3	450	1800	3000	1200
0025	G-3	KAY JOHN	ONTARIO SALT WOR	079	10000	STEAM		6	2000	500	8000	7500
0025	G-4	KAY W & G	TAILORING	242	200			6		300	300	
0026	G-2	KELLY JAMES	LIME KILN	358-L	100			1	300	100	600	500
0026	G-3	KELLY PATRICK	FLOUR MILL	105	8600	STEAM		4	1400	26000	36000	10000
0026	G-3	KELLY PATRICK	SAW MILL	251	6000	STEAM		5	1400	2000	3600	1600
0025	C-4	KEMICK WILLIAM	BLACKSMITH SHOP	896	100			1		50	300	250
0026	K-2	KERR ROBERT	TAILORING EST	242	80			1			400	
0026	E-4	KERR JAMES	SHOEMAKER SHOP	174	800			3	700	2000	4000	2000
0026	D-1	KERR SAMUEL	BLACKSMITH SHOP	896	150			1		150	200	50
0026	I	KIDD JOHN	TIN SHOP	304-T	400			2	400	744	2000	1256
0026	I	KIDD THOMAS	MILLINERY	249-M	1000			1	240		1000	
0026	H-1	KIDD JOSEPH	SAW MILL	251	5000	STEAM		9	2000	14000	28000	14000
0025	A-1	KILPATRICK GEORGE	WOOLEN FACTORY	182	3500	STEAM		5	283	1200	1990	790
0025	E-3	KINSE CLAWS ?	COOPER SHOP	259-C	80			1		150	500	350
0026	A-1	KIRKPATRICK & SUG	SALT MANUFACTORY	079	8000	STEAM		5	2000	800	13000	12200
0026	A-1	KIRKPATRICK P A &	TANNERY	172	44000	STEAM		10	3000	10000	18000	8000
0025	E-2	KIZER BENJAMIN	BLACKSMITH FORGE	896	300			2		200	600	400
0026	B-2	KNECHTEL DANIEL	SHOEMAKING	174	400			1		800	1000	200
0026	J-2	KNECHTEL JOHN	TANNERY	172	1500	STEAM		2	350	300	750	450
0026	E-3	KNOX ROBERT H	SAW MILL	251	1000	WATER		1		600	72	-528
0026	L-3	KNUTSON JOHN K	TAILORING EST	242	800			2	275	1450	2000	550
0025	E-3	KYLE JAMES	SAW MILL	251	1000	STEAM		6	200	2000	4000	2000
0026	J-3	KYLE WILLIAM	WEAVING LOOM	182-W	40			1		1560	1850	290
0026	L-1	LAMB JOHN A	WEAVING EST	182-W	40			1		75	112	37
0026	A-1	LAMONT JOHN	COOPERAGE	259-C	760			10	3000	50	9000	8950
0026	A-1	LASOME RICHARD ?	SALT MANUFACTORY	079	1000			3	300	150	2340	2190
0025	G-2	LAVAGE WM	HAT MANUFACTORY	246	35000			1	450		3000	
0026	A-2	LAVAGE WILLIAM	SAW MILL/STAVE F	251	4000	STEAM		9	2020	4500	13000	8500
0026	E-4	LAWRENCE HENRY	CABINETMAKER SHO	261	200			1	150	80	230	150
0026	D-3	LAWRENCE ALFRED	CABINET SHOP	261	600			1	450	150	1020	870
0025	F-4	LEE ROBERT	WEAVER	182-W	25			1	100		75	
0025	F-1	LEE WILLIAM	FLOUR MILL	105	6000	WATER		3	1280	150000	150000	0
0026	L-1	LEECH EDWARD	GRIST MILL	105	8000	WATER		2	700	25000	28065	3065
0026	L-1	LEECH ROBERT	SAW MILL	251	4000	WATER		4	792	1550	6000	4450
0026	C-1	LEES & DOUGLAS	CLOTH FACTORY	182	6000	WATER		7	900	3000	6000	3000
0026	K-2	LEMIEUX HIRAM ?	WAGONS/BLACKSMIT	329/896	300			4	350	435	1634	1199
0026	L-3	Lennon JOSEPH	SHOE MAKING EST	174	400			1	300	500	1200	700
0026	F-2	LESLIE & HOLMES	CARRIAGE FACTORY	329	3000	STEAM		5	2400	150	5000	4850
0026	K-2	LLOYD CHARLES	CABINET MANUFACT	261	150			1	300	97	500	403
0025	A-2	LLOYD WILLIAM	CARPENTER SHOP	421-C				2	168	800	2400	1600

HURON COUNTY: ALL FIRMS BY NAME OF PROPRIETOR, 1871

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0025	D-3	LOCKHART RICHARD	WEAVER	182-W	20			1	.	.	100	.
0025	B-2	LOIR CHRISTIAN	BLACKSMITH FORGE	896	100			1	.	60	500	440
0026	I	LOWE ANDREW	SHOE SHOP	174				1	.	520	800	280
0026	K-1	LUCH W H & CO ?	GRIST MILL	105	3000	WATER		1	500	12000	13200	1200
0026	K-1	LUCH W H & CO ?	SAW MILL	251	2500	WATER		4	900	3000	7000	4000
0026	K-1	LUCH W H & CO ?	SHINGLE MILL	251-S	800	WATER		7	525	700	3000	2300
0026	I	LUXTON WILLIAM	PRINTING OFFICE	289	2000			10	1800	1200	4000	2800
0026	L-3	LUXTON JOHN	WAGON/CARRIAGE W	329	1000			1	200	82	550	468
0026	L-2	MACDONALD & TORRE	BLACKSMITH FORGE	896	600			2	600	105	1200	1095
0026	J-3	MACKAW WILLIAM	SAW/LATH MILL	251	2000	STEAM	30	8	2000	4000	8000	4000
0026	F-2	MACTAGGART & CO	FANNING MILL MF	311	10000	STEAM	12	8	3000	4500	10000	5500
0026	L-1	MAGUIRE THOMAS	SHINGLE MACHINE	251-S	300	WATER	12	3	200	375	1000	625
0025	E-1	MALCOLM ANDREW	CHEESE FACTORY	104	1700			7	928	6160	8870	2710
0026	C-2	MALLOUGH JOSEPH	SADDLE/HARNESS S	179-S	800			.	250	500	1500	1000
0025	A-1	MANNING RICHARD	CHEESE FACTORY	104	2200			4	800	1522	2644	1122
0026	E-4	MANNING JAMES	WAGON SHOP	329	200			1	.	48	400	352
0025	C-3	MARQUES RICHARD	LIME KILN	358-L	100			2	200	75	800	725
0026	I	MARSHALL WALTER	FLOUR MILL	105	6000	STEAM	35	4	1250	17980	20730	2750
0026	I	MARTIN JOHN	WOODWORKER/AG IM	311	1000	STEAM	6	2	500	5000	25000	20000
0025	A-3	MARTINE JOSEPH	BOOT/SHOE SHOP	174	15			1	.	310	500	190
0026	K-2	MATHESON G P	WOOLEN FACTORY	182	1700	WATER	12	9	1800	15000	21500	6500
0026	L-1	MATHEWS JAMES	BLACKSMITH	329	300			1	.	200	650	450
0026	J-3	MAYBEE & MCDONALD	SAW/LATH/SHINGLE	251/251-S	10000	STEAM	12	6	2000	3000	5400	2400
0026	J-1	MCCALLISTER ROBERT	SAW MILL	251	2500	WATER	25	7	850	3000	4000	1000
0025	G-1	MCCLEOD ARCHIBALD	SADDLE/HARNESS S	179-S	500			2	600	800	1600	800
0025	D-2	MCCLYMONT THOMAS	BLACKSMITH FORGE	896	250			1	.	150	500	350
0025	D-3	MCCLYMONT WILLIAM	WAGONMAKER	329	100			1	300	150	500	350
0025	G-3	MCCORMICK BERNARD	TAILORING SHOP	242	100			4	150	300	1200	900
0025	D-4	MCDONALD DUNCAN	BLACKSMITH FORGE	896	140			1	360	600	.	.
0025	D-3	MCDONALD JAMES	TAILOR SHOP	242	.			1	.	300	300	.
0025	B-3	MCDONNALL ANDREW	BLACKSMITH	896	200			1	100	200	600	400
0026	L-3	MCEWEN SARAH	MILLINERY/DRESSM	244/249-M	100			1	60	150	300	150
0025	G-4	MCFARLANE JAMES	TANNERY	172	800	HORSE	1	1	.	610	.	.
0026	F-2	MCGARVA & COMBE &	SALT WELL	079	12000	STEAM	12	8	3000	1200	20000	18800
0026	C-2	MCGRATTON JOHN	BOOT/SHOE SHOP	174	200			2	300	400	1400	1000
0026	I	MCINTOSH MARGARE	MILLINER/DRESSMA	249-M/244	100			10	.	150	200	50
0026	I	MCINTOSH & MORRIS	CARRIAGE/WAGON F	329	2500			8	1000	395	3300	2905
0026	I	MCINTYRE & WILLIS	BOOT/SHOE SHOP	174	500			5	960	1120	2496	1376
0025	E-1	MCKAY	WEAVER	182-W	60			2	100	209	500	291
0025	G-4	MCKAY ERIC	CABINETMAKER	261	1000			2	700	1500	4000	2500
0026	G-2	MCKAY WILLIAM	BLACKSMITH FORGE	896	500			2	300	340	1800	1460
0026	D-3	MCKELLER MALCOLM	BLACKSMITH SHOP	896	400			3	600	210	1560	1350
0025	G-1	MCKENZIE JOHN	CABINET SHOP	261	800			2	500	200	1000	800
0026	C-2	MCLAUGHLIN THOMAS	BLACKSMITH FORGE	896	200			2	400	500	1500	1000
0026	L-1	MCLAUGHLIN WILLIA	CARPENTER SHOP	254	100			1	50	60	190	130
0025	G-3	MCLEAN ALEXAND	TAILORING SHOP	242	2500			7	500	1500	3000	1500
0025	G-3	MCLEAN THOMAS	SALT WORKS	079	3500			6	2000	500	7000	6500
0025	G-3	MCLEAN THOMAS	COOPERAGE	259-C	350			4	1000	2850	.	.
0026	J-1	MCLEAN ARCHIBALD	BLACKSMITH FORGE	896	250			1	340	135	550	415
0025	B-1	MCLEOD GEORGE	BLACKSMITH FORGE	896	200			1	.	250	750	500
0025	C-4	MC MILLAN JOHN	BLACKSMITH SHOP	311	300			1	.	250	1000	750

HURON COUNTY: ALL FIRMS BY NAME OF PROPRIETOR, 1871

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0025	A-1	MCNABB JAMES	TURNING FACTORY	259-W	2000	STEAM	8	3	1000	365	1650	1285
0025	G-2	MCNAMARA WM	COOPERAGE SHOP	259-C	150		.	1	450	.	700	.
0026	I	MCNAUGHT DAVID	CARRIAGE FACTORY	329	2000		.	7	2000	1000	5175	4175
0026	B-2	MCNIFF MICHAEL ?	BLACKSMITH FORGE	896	200		.	1	60	150	1000	850
0026	B-1	MCPHERSON ALEXAND	TAILOR SHOP	243	.		.	1	46	.	400	.
0025	G-4	MCPHERSON JOHN	AXE FACTORY	306-T	600	STEAM	13	2	360	165	625	460
0026	D-3	MCQUARRY HUGH	BLACKSMITH SHOP	896	400		.	3	800	300	1600	1300
0025	B-1	MCTAGGART WILLIAM	SHOEMAKER	174	.		.	1	.	175	400	175
0026	G-3	MCVETTIE MOSES	SAW MILL	251/251-S	3000	STEAM	20	2	100	350	1000	650
0026	A-2	MCVETTIE WILLIAM	SAW MILL	251	2000	STEAM	20	1	400	1000	2000	1000
0026	A-1	MEADLE GODFREID	TANNERY	172	300	HORSE	1	2	300	1200	1800	600
0026	E-4	MELVILLE LAWRENCE	SAW MILL	251	1000	WATER	25	2	250	800	1600	800
0025	B-3	MERNIER GOTTLIEB	CHEESE FACTORY	104	200		.	1	60	240	300	60
0025	G-3	MILLAR BETSY	WEAVING SHOP	182-W	60		.	3	125	.	370	.
0026	F-2	MILLER JACOB	BLACKSMITH FORGE	896	300		.	3	80	400	1000	600
0026	F-2	MILLER JOHN	HARNESSE DEPOT	179-S	2000		.	5	1500	1500	4000	2500
0026	A-1	MILLER DANIEL	GRIEST MILL	105	4000	WATER	25	1	130	1500	1800	300
0025	D-3	MILLER HENRY	COOPER SHOP	259-C	60		.	1	75	40	130	90
0026	E-4	MILLER SOLOMON	POTASH FACTORY	378-P	100		.	1	75	60	250	190
0026	D-2	MILNIE JOHN	SAW MILL	251/251-S	4000	STEAM	30	4	1000	4500	6000	1500
0026	D-3	MITCHELL THOMAS R	BLACKSMITH SHOP	896	100		.	1	300	250	800	550
0026	L-1	MITCHELL ARTHUR	SAW MILL	251	100	STEAM	16	3	220	850	1300	450
0026	J-1	MITCHELL JOHN	SAW MILL	251	800	WATER	15	1	150	100	240	140
0026	K-2	MITCHELL JOHN	BLACKSMITH SHOP	896	100		.	1	275	160	300	140
0026	G-3	MITCHELL ROBERT	HARNESSEMAKER/SAD	179-S	600		.	3	500	3000	3500	500
0025	A-1	MITCHELL WILLIAM	BLACKSMITH FORGE	896	200		.	0	.	61	480	419
0025	A-2	MITCHELL WILLIAM	BRICK YARD	351-B	400	HORSE	1	6	600	50	1400	1350
0026	E-4	MONTEITH ALEXANDE	SAW MILL	251	1500	WATER	28	2	250	700	1500	800
0026	E-4	MONTEITH ALEXANDE	CARDING/FULLING	189-W	2500	WATER	12	1	150	2300	2830	530
0026	E-4	MONTGOMERY GEORGE	BLACKSMITH FORGE	896	200		.	2	100	150	500	350
0025	C-4	MONTIETH ROBERT	BLACKSMITH/WAGON	329	1000		.	5	500	700	2000	1300
0026	K-2	MOONEY BARNABU	TINSMITH SHOP	304-T	260		.	1	350	400	840	440
0025	G-4	MOORE ELIJAH	CARPENTER/JOINER	421-C	.		.	8	2800	1440	.	.
0026	K-1	MOORE JOHN E	BLACKSMITH FORGE	896	400		.	2	25	150	500	350
0026	D-3	MOORE R N	SAW MILL	251	2000	STEAM	25	5	800	1600	2300	700
0026	L-1	MORDEN STEPHEN	COOPER SHOP	259-C	10		.	1	.	4	40	36
0025	A-2	MORLOCK JULIUS	BLACKSMITH/WAGON	329	.		.	2	200	312	970	658
0026	J-2	MORRISON & SMITH	SAW MILL	251/251-S	3000	STEAM	25	4	1000	3000	5500	2500
0026	F-2	MORROW DAVID	BOOT/SHOE MF	174	800		.	2	600	800	1600	800
0026	D-2	MORROW WILLIAM	SAW MILL	251	3000	STEAM	18	2	.	800	.	.
0025	G-4	MOSS WILLIAM	BOOT/SHOEMAKER	174	100		.	3	1200	1500	3500	2000
0026	F-2	MULLOY DANIEL	PUMP MANUFACTORY	315-P	500	HORSE	1	1	192	200	1000	800
0025	F-3	MURCH WILLIAM	BLACKSMITH SHOP	896	100		.	2	40	125	500	375
0026	I	MURRAY JOHN	BLACKSMITH FORGE	896	.		.	1	.	50	300	250
0026	B-2	MURRY WILLIAM	SAW MILL	251	3500	STEAM	20	4	720	500	1500	1000
0026	L-2	NEIL W & J	WEAVER	182-W	40		.	2	150	100	400	300
0025	A-3	NEVILLS MICHAEL	BLACKSMITH SHOP	329/311	300		.	1	200	400	504	104
0026	D-3	NICHOLSON THOMAS	GRAIN CRADLES	306	20		.	1	120	.	280	.
0026	B-1	NICKELSON ISABELL	WEAVER	182-W	25		.	1	100	.	100	.
0025	G-1	NOBLE CHARLES	SHOE MAKING SHOP	174	600		.	2	1000	700	2000	1300
0025	G-3	NOLAN PETER	BLACKSMITH SHOP	896	100		.	1	.	100	500	400

HURON COUNTY: ALL FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0026	L-1	NOREN THOMAS	CABINET SHOP	261	200	HORSE	1	1	.	40	200	160
0026	C-2	O'BRIEN JAMES	BLACKSMITH FORGE	896	200	.	.	1	400	300	1800	1500
0026	I	ODELL M ?	CONFECTIONERY	108-C	400	.	.	2	300	1300	1700	400
0026	I	OLIVER WILLIAM	SADDLER SHOP	179-S	1000	.	.	2	700	3600	4000	400
0026	L-3	ORR JAMES	BLACKSMITH SHOP	896	500	.	.	2	450	120	1000	880
0025	B-2	OTTO HENRY	LIME KILN	358-L	.	.	.	1	20	10	100	90
0025	E-3	PACKARD JAMES ?	BRICK YARD	351-B	300	.	.	8	800	100	1300	1200
0026	L-2	PADFIELD JAMES	BLACKSMITH FORGE	896	50	.	.	1	30	16	40	24
0025	B-3	PAPINO FRANCIS	LIME KILN	358-L	.	.	.	1	.	.	20	.
0026	L-3	PARKER ROBERT	BLACKSMITH	896	300	.	.	1	300	120	700	580
0025	G-1	PARKYN JAMES ?	GRIST/FLOUR MILL	105	15000	W/S	75	8	2650	465654	488726	23072
0025	G-1	PASSMORE JOHN	CARRIAGES/BLACKS	329/896	5000	.	.	10	2300	1700	3570	1870
0026	E-4	PATTERSON PETER	COOPER SHOP	259-C	50	.	.	1	50	20	50	30
0026	F-2	PATTERSON ROBERT	BAKERY	107	200	.	.	2	100	2000	2600	600
0026	L-3	PAULIN ROBERT	TINSMITH EST	304-T	500	.	.	1	35	600	1500	900
0026	E-4	PEACOCK GEORGE	LIME KILN	358-L	150	.	.	1	20	.	100	.
0025	B-1	PEARSON FRANCIS	SHOEMAKER	174	800	.	.	1	.	350	1000	650
0025	A-1	PEDLAR GEORGE	MELODEON FACTORY	399-P	200	.	.	1	391	200	730	530
0026	E-4	PENNINGTON THOMAS	GRIST MILL	105	5000	WATER	60	1	480	13500	14625	1125
0026	B-1	PENNINGTON WILLIA	BLACKSMITH FORGE	896	100	.	.	1	.	300	700	400
0026	B-1	PENTLAND ROBERT	BLACKSMITH FORGE	896	200	.	.	1	.	150	700	550
0025	C-1	PENWARDEN DAVID	POT ASHERY	378-P	500	.	.	2	140	180	540	360
0026	L-1	PERKINS HENRY	SADDLERY/HARNESS	179-S	150	.	.	1	250	750	1250	500
0026	L-1	PERKINS JAMES	SHOEMAKER SHOP	174	500	.	.	6	2000	2500	6000	3500
0025	B-2	PFUFF CONRAD ?	BLACKSMITH FORGE	896	150	.	.	1	.	50	300	250
0026	B-1	PHILLIPS SAMUEL	SAW MILL	251	1300	WATER	26	1	.	150	600	450
0026	K-2	PHIPEN GEORGE	COOPER SHOP	259-C	100	.	.	1	240	100	500	400
0025	A-1	PICKARD JAMES	SAW MILL	251	2500	STEAM	20	5	1800	2800	6300	3500
0025	G-3	PLATT MARY AN	TECUMSETH SALT W	079	21500	STEAM	225	19	7500	25000	40000	15000
0026	L-3	PLAYFORD SAMUEL	BLACKSMITH SHOP	896	150	.	.	1	40	80	400	320
0025	G-1	PORTLAND SAMUEL	BOOT/SHOE FACTOR	174	.	.	.	1	300	600	1200	600
0026	D-3	POULTON HENRY	TAILOR	242	30	.	.	2	400	.	800	.
0025	F-1	PRATT GEORGE	HANDLOOM	182-W	100	.	.	2	.	.	800	.
0026	K-2	PRICE THOMAS	SHOEMAKER SHOP	174	20	.	.	1	.	105	400	295
0026	B-2	PRITCHARD HUGH	SAW MILL	251	1500	WATER	20	1	130	500	1200	700
0026	B-2	PRITCHARD HUGH	SAW MILL	251	1100	WATER	16	2	672	500	1172	672
0025	D-3	PURDY WILLIAM	WAGONMAKER	329	100	.	.	1	300	.	700	.
0026	F-2	RACEY J B	GRIST/OATMEAL MI	105/105-O	10000	STEAM	40	4	1500	30000	50000	20000
0025	G-1	RALPH JOHN	TINSMITH SHOP	304-T	500	.	.	1	500	600	1500	900
0026	F-2	RANSFORD RICHARD	STAVE FACTORY	259-C	3000	STEAM	30	20	5000	6000	14000	8000
0025	E-4	RANSFORD RICHARD	SALT WORKS	079	30000	STEAM	26	25	9000	2400	35000	32600
0025	E-4	RANSFORD RICHARD	SAW MILL	251	3000	STEAM	30	6	500	1000	1600	600
0026	J-3	REDFORD & HAYWARD	SAW/LATH MILL	251	22500	STEAM	25	10	2500	5000	10000	5000
0025	D-2	REID JOHN	LIME KILN	358-L	400	.	.	3	100	.	200	.
0025	B-2	RENNIE SAMUEL	SAW MILL/SHINGLE	251/251-S	4000	STEAM	25	8	600	2000	8400	6400
0026	E-3	RIED SAMUEL	BLACKSMITH SHOP	896	500	.	.	1	300	.	.	.
0026	K-2	RITCHIE JOHN	CARRIAGE/WAGON S	329	600	.	.	1	450	150	1120	970
0026	I	ROBERTSON MATTHEW	CABINET FACTORY	261	2000	HORSE	1	3	600	298	6000	5702
0025	C-2	ROBINSON ROBERT	WAGON FACTORY	329	400	.	.	2	400	600	800	200
0026	H-2	ROCK GEORGE	GRIST MILL	105	7000	W/S	25	2	480	19500	19550	50
0026	K-2	RODURUS FREDERICK	BOOT/SHOE SHOP	174	300	.	.	1	100	836	1500	664

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0025	B-2	ROEDDING JUSTICE	SHOEMAKER SHOP	174	500			3	300	450	1000	550
0026	G-3	ROGERSON ISAAC	WAGON SHOP	329	400			2	100	75	1000	925
0026	D-3	ROME JAMES	LIME KILN	358-L	16			1	18	6	60	54
0026	F-2	ROSS JOHN	PUMP FACTORY	315-P	1200	HORSE	1	2	150	1000	1800	800
0026	L-1	ROSS RICHARD	BLACKSMITH SHOP	329	600			3	300	360	1500	1140
0026	L-3	ROSS SARAH	MILLINERY/DRESSM	244/249-M				1	120		400	
0025	D-3	ROTH VALENTINE	BREWERY	109-B	500			4			1000	
0026	F-2	ROWEL WILLIAM	BLACKSMITH FORGE	896	2000			2	800	900	2000	1100
0026	L-3	ROY W A G	TAILOR SHOP	243	150			1		775	2500	1725
0025	E-3	RUDD WILLIAM	CARRIAGE/WAGON S	329	300	HORSE	1	4		450	1200	750
0025	G-3	RUNCIMAN ROBERT	FOUNDRY	294	12000	STEAM	12	36		16550	33000	16450
0026	B-1	RUNCIMAN DAVID	SAW MILL	251	2500	WATER	17	1	100	260	600	340
0026	B-1	RUNCIMAN JOHN	SAW MILL	251	1000	WATER	16	2	400	600	1200	600
0025	E-3	RYAN JAMES	SHOEMAKER SHOP	174	10			1		10	48	38
0026	L-3	SANDERS THOMAS B	SADDLER SHOP	179-S	1000			3	650	650	3500	2850
0026	B-1	SAUNBY S B	GRIST MILL	105	6000	WATER	24	1	100	1000	1500	500
0025	G-3	SAUNDERS JAMES	TIN SHOP	304-T	700			3	700	1000	2000	1000
0025	A-3	SCHOPP JOHN	CARPENTER SHOP	329/311	250			2		225	400	175
0026	K-1	SCOTT FRANK	BLACKSMITH FORGE	896	200			1	450	270	720	450
0025	F-1	SCOTT JOHN	HANDLOOM	182-W	100			2			1200	
0026	F-2	SEARLE & DAVIS	TINWARE MANUFACT	304-T	5000			6	3000	3000	5000	2000
0026	I	SEGILLER FRANK ?	OATMEAL/BARLEY M	105-O/105	8000	STEAM	25	5	2500	20000	25000	5000
0025	A-1	SENIOR CHARLES	PHOTOGRAPHIC GAL	893	300			1			500	
0025	F-2	SHAW CHARLES	BLACKSMITH	311	120			1		40	336	296
0026	I	SHEARSON WM A &	FLOUR MILL	105	20000	STEAM	40	10	4400	100000	110000	10000
0025	F-3	SHEPPERD JAMES	WEAVING EST	182-W	30			2	20	200	400	200
0026	G-2	SHERIFF CHARLES	GRIST MILL	105	6000	STEAM	35	3	400	30000	34000	4000
0026	G-3	SHERATT JOHN	BOOT/SHOEMAKER	174	200			1	100	800	1000	200
0026	D-2	SHORTS WILLIAM	SAW MILL	251	2000	WATER	20	3	200	300	750	450
0026	K-1	SIBBALD R F	SHOEMAKER SHOP	174	400			2	200	400	750	350
0025	D-3	SIMPSON WILLIAM	BLACKSMITH SHOP	896	80			2	600		1000	
0026	A-1	SINCLAIR COLLIN	BRICK KILN	351-B	100	HORSE	1	8	160	50	750	700
0026	A-1	SINCLAIR COLLIN	LIME KILN	358-L	100			2	100	40	250	210
0026	G-2	SMALL SAMUEL	TAILOR SHOP	243	400			2	400	500	3500	3000
0025	C-2	SMALLCOMBE WILLIA	TAILORING EST	242	100			0			400	
0025	G-1	SMITH ABRAHAM	CLOTHING/TAILOR	242/243	3000			4	2500	5000	7500	2500
0025	G-1	SMITH W G	VICTORIA SALT MF	079	10000	STEAM	20	7	3000	750	11700	10950
0025	G-2	SMITH W G	TANNERY	172	4000	STEAM	10	7	500	3000	5000	2000
0026	J-1	SMITH & ROBERTSON	SAW MILL	251/251-S	4000	STEAM	35	6	700	6000	15000	9000
0026	L-1	SMITH ALEXANDER	COOPER SHOP	259-C	300			1	400	750	1600	850
0025	E-3	SMITH ANDREW	HARNES SHOP	179-S	100			1		500	900	400
0026	L-1	SMITH HENRY	WEAVING EST	182-W	50			1		250	750	500
0025	A-2	SMITH MICHAEL	BLACKSMITH FORGE	896	300			1		150	400	250
0026	K-2	SNELL JOHN	CARPENTER SHOP	421-C	100			3	400	330	1130	800
0025	A-1	SNELL JOHN	LIME KILN	358-L				1		10	50	40
0025	B-1	SNOW JOHN	SHOEMAKER	174	100			0		800	1000	200
0025	F-3	SOFT WILLIAM	BLACKSMITH SHOP	896	150			2	150	120	520	400
0025	G-1	SOMERVILLE JOHN B	FLOUR/GRIST MILL	105	5000	STEAM	40	3	1200	39000	38701	-299
0025	C-2	SOUTHCOTT JOHN	PUMP FACTORY	315-P	250			2	100	30	400	370
0026	G-2	SPENCER CHARLES	WATCHMAKER SHOP	695				1			75	
0026	E-4	SPRING JOHNN	SAW MILL	251	2000	WATER	12	1	250	500	1200	700

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0025	G-3	STANDLY & CO	STANDLY SALT WOR	079	10000			10	900	500	5000	4500
0025	G-3	STANDLY & CO	COOPERAGE	259-C	1000			5	2510	6000	9000	3000
0025	G-3	STANDLY & CO	SAW MILL/STAVE F	251	20000	STEAM	40	60	12000	30500	48000	17500
0026	H-3	STANGEL JOHN	POT ASHERY	378-P	100			1		75	200	125
0026	I	STARK SAMUEL	SHOE SHOP	174	3000			4	1200	1500	3120	1620
0025	E-3	STEET JOHN	SHOEMAKER SHOP	174	700			1	300	350	950	600
0025	B-1	STENSON HENRY	BLACKSMITH	896	1000			1	240	500	1500	1000
0026	I	STEPHENS THOMAS	PORK CURING EST	101-P	4000			4	223	4000	5000	1000
0026	L-1	STEPHENS PATRICK	BLACKSMITH SHOP	896	200			1		100	600	500
0026	F-2	STEVENSON THOMAS	CABINET FACTORY	261	3000			4	400	720	1500	780
0026	I	STEWART ALEXAND	BLACKSMITH FORGE	896	100			3	250	1300	2000	700
0026	K-1	STEWART D & CO	SHINGLE MILL	251-S	1000	STEAM	12	7	1000	1000	4000	3000
0026	K-1	STEWART D & CO	CARDING MILL	189-W	2000	STEAM	12	2	150	900	1050	150
0026	L-1	STINSON JOHN	WAGON SHOP	329	700			1	180	220	800	580
0026	C-2	STITT JACKSON ?	TANNERY	172	800			1	500	300	1600	1300
0025	E-3	STODDART JOHN	DRESSMAKING/MILL	244/249-M				2		200	300	100
0025	F-2	STONEHOUSE JAMES	SAW MILL	251	1000	WATER	10	2	150	500		
0025	G-4	STORY J & J	TINSMITH SHOP	304-T	1000			4		1000	2000	1000
0025	G-1	STRACHAN DAVID	BLACKSMITH SHOP	311	400			3	675	275	1000	725
0026	I	STRONG ALONZO	BAKERY	107	1000			2	470	4662	5827	1165
0025	D-3	STRUTHERS JOHN	WOOLEN FACTORY	189-W/182	600	STEAM	4	1			100	
0025	G-3	STURDY THOMAS	SHOE SHOP	174	150			1	500	500	2500	2000
0025	B-2	SURARUS DANIEL ?	CIDER MILL	109-C	50	HORSE	4	1	40	600	900	300
0025	E-3	SUTHERLAND CHARLE	WEAVING	182-W	70			1			480	
0026	I	SUTHERLAND ROBERT	TAILOR SHOP	243	500			4	1120	2000	4080	2080
0025	A-4	SUTTON DENNIS	SAW MILL	251	3500	STEAM	35	11	1128	450	1862	1412
0025	A-2	SWITZER HENRY	SAW MILL	251	1000	STEAM	18	1	75	630	1260	630
0026	D-2	TAYLER THOMAS	LIME KILN	358-L	20			1	20	40	85	45
0026	E-4	TAYLOR HANNAH	GRIST MILL	105	5000	WATER	24	1	400	9000	9750	750
0026	D-3	THEOBALD GEORGE	SHINGLE MANUFACT	251-S	1800	STEAM	15	7	868	1428	4284	2856
0026	L-1	THOMAS ELIJA	WAGONMAKER	329	100			1		50	250	200
0025	G-3	THOMPSON ROBERT	BLACKSMITH SHOP	896	2000			4	800	720	4000	3280
0026	K-1	THOMPSON ALEXANDE	LIME KILN	358-L	15			3	20	20	50	30
0026	H-2	THOMPSON JOHN	SAW MILL	251	1000	STEAM	12	7	325	761	2761	2000
0026	E-2	THOMPSON ROBERT	BRICK YARD	351-B	100	HORSE	1	4	200		1000	
0025	D-3	THOMSON JAMES	GRIST MILL	105	6000	WATER	40	2	700	20000	22000	2000
0025	D-3	THOMSON JAMES	SAW MILL	251	3000	WATER	40	1	300	1500	2500	1000
0026	L-1	TOOMBS B ?	SHOE SHOP	174	200			1	300	250	800	550
0025	C-2	TREBLE JOHN	BOOT/SHOE FACTOR	174	400			1	375	800	1600	800
0025	A-2	TREIBUIR FREDERIC	CARDING MILL	189-W		STEAM	15	3		300	400	100
0026	I	TREMBLE JOHN	POTASH FACTORY	378-P/376	400			1		200	640	440
0025	A-2	TREVTHICK JOHN ?	BLACKSMITH/WAGON	329	1000			3	600	250	1800	1550
0025	A-1	TRICK JOHN	WAGON SHOP	329	1000			6	1900	1500	5000	3500
0026	I	TROTT JOSEPH	TANNERY	172	150			1		750	1500	750
0026	L-1	TURNBULL HARRY	TAILORING SHOP	243	200			2	400	1000	1950	950
0025	D-3	TURNER WILLIAM	GRIST/SAW MILL	105/251	2000	STEAM	40	2	400		1000	
0025	D-3	TWENTY SARAH	DRESSMAKER	244				1			30	
0025	E-3	VAN EGMOND AUGUST	CARDING MILL	189-W	3000	STEAM	12	7		6000	8170	2170
0025	E-3	VAN EGMOND CONSTA	GRIST MILL	105	3000	WATER	12	2	800	8000	9360	1360
0025	E-3	VAN EGMOND LEOPOL	SAW MILL	251	1300	WATER	15	3	120	500	1000	500
0026	J-2	VANSTONE WILLIAM	SAW/FLOUR MILL	251/105	4000	WATER		4	900	2200	3620	1420

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0026	L-3	VAT JOHN ?	GUNSMITH SHOP	897-G	50			1		150	300	150
0025	A-1	VERITY W H	FOUNDRY	311	2000	STEAM	7	7	3089	1470	10000	8530
0026	B-1	VIDEAN GEORGE ?	BLACKSMITH FORGE	896	200			1		450	1000	550
0025	B-2	WAGNER CONRAD F	WAGONMAKER SHOP	329	500			1	50	80	1050	970
0025	A-2	WALKER JOHN	HARNESMAKER SHO	179-S	600			1		700	1500	800
0025	D-1	WALKER ROBERT	CHICORY KILN	108	600			9		60	300	240
0026	L-3	WALLACE & NIVINS	SHOE MAKING EST	174	350			1	130	700	1200	500
0025	B-2	WALPER ABEL	TANNERY	172	2000	STEAM	8	2	600	4000	10000	6000
0026	K-2	WALSH THOMAS	BLACKSMITH FORGE	896	500			2	175	550	1100	550
0026	D-2	WALSH THOMAS	BLACKSMITH SHOP	896	40			1		5		
0025	D-3	WALWIN AARON	SHOE FACTORY	174	200			2	300	450	700	250
0025	B-1	WANLESS DAVID	SAW MILL	251	4000	STEAM	20	7	1400	1600	3500	1900
0025	G-4	WATSON JAMES	BAKERY	107	15000			3	500	3600	4800	1200
0025	E-3	WATSON CHRISTIAN	TANNERY	172	700			2	250	2216	3420	1204
0026	E-4	WATSON JAMES	LIME KILN	358-L	100			1	20		100	
0025	G-2	WATTS M	BOATBUILDING	259-C	1000			0				
0025	E-2	WEBB THOMAS	BRICK/TILE FACTO	351-B	200	HORSE	1	5	50	40	700	660
0025	A-1	WEBBER GEORGE	SHOE ESTABLISHME	174				1		250	600	350
0025	C-2	WEBSTER WILLIAM	BLACKSMITH FORGE	896	300			1	150	250	800	550
0026	L-2	WEBSTER & BROS	SAW MILL	251	6000	STEAM	30	4	150	2500	4000	1500
0025	F-3	WEIR WILLIAM	WEAVING EST	182-W	25			2	40	300	500	200
0025	F-1	WELLS CHARLES	BREWERY	109-B	3000			2	600	969	4200	3231
0025	D-3	WELLS THOMAS	CHEESE FACTORY	104	100			4	500		1000	
0025	A-2	WERT FREDERICK	BRICK YARD	351-B	800	HORSE	2	5	525	50	1575	1525
0025	F-2	WESTON S ?	SAW MILL	251	2000	WATER	15	1	280	1000	2000	1000
0025	B-2	WETZEL HENRY	SHOEMAKER SHOP	174	500			2	150	400	800	400
0026	G-2	WHEELAR CHARLES	BLACKSMITH FORGE	896	80			1		100	300	200
0025	G-1	WHITBY ROBERT	WAGON/CARRIAGE F	329	1200			11	3026	2125	6050	3925
0025	A-2	WHITE ROBERT	COOPERAGE	259-C	200			1		40	294	254
0025	G-3	WHITEHEAD & STURDY	DOMINION SALT WO	079	12000	STEAM	30	7	2190	525	10500	9975
0026	F-2	WHITEHEAD JOSEPH	FLOUR MILL	105	22500	STEAM	35	5	1500	50000	55000	5000
0025	D-3	WHITTEN JAMES	WAGON/SLEIGHMAKE	329	100			2	400	60	550	490
0025	B-2	WIDEMAN JOHN	HARNESMAKER	179-S	300			1		200	600	400
0025	B-2	WIDEMAN JOSEPH	BLACKSMITH FORGE	896	500			1			60	
0026	L-1	WIGGINS SAMUEL	WEAVING EST	182-W	12			1		100	200	100
0026	I	WILLIAMS JOSEPH	PUMP FACTORY	315-P	800	HORSE	2	2	400	250	1500	1250
0025	D-2	WILLIAMS EDGAR	WAGONMAKER SHOP	329	400			2	75	300	1000	700
0026	E-1	WILLIAMS JOHN	WAGON/CARRIAGE S	329	600			3	300	450	800	350
0026	I	WILLIAMSON GRAHAM	BLACKSMITH FORGE	311	2000			4	600	330	1650	1320
0026	I	WILSON ALEXAND	LIME KILN	358-L	150			3	120	60	400	340
0026	I	WILSON JAMES	SADDLER SHOP	179-S	1000			2	216	605	1110	505
0026	D-1	WILSON JAMES	LIME KILN	358-L	40			3		150	500	350
0025	F-1	WILSON JOSEPH	LIME KILN	358-L	100			4	500	150	1200	1050
0026	L-1	WILSON SAMUEL	TIN SHOP	304-T	700			1	150	800	1200	400
0025	B-1	WILSON THOMAS	SAW MILL/LATH MC	251	2000	STEAM	20	12	1872	1800	4000	2200
0026	L-1	WILSON THOMAS	GRIST MILL	105	8000	WATER	30	2	50	6200	7440	1240
0026	J-2	WILSON WILLIAM R	FOUNDRY/BLACKSMI	294	1500	STEAM	15	4	800	700	2000	1300
0025	D-1	WITMER SAMUEL ?	TANNERY	172	500	HORSE	2	1	200	390	1200	810
0026	I	WITNEY ANN	TIN SHOP	304-T	800			3	444	980	2000	1020
0026	E-4	WITTS CHARLES	CARPENTER SHOP	254	200			2	200	150	1000	850
0026	C-2	WITTSON WILLIAM	BOOT/SHOEMAKER	174	300			1	300	200	800	600

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0026	I	WOOD	SADDLER SHOP	179-S	200	.	.	1	6	100	120	20
0026	E-4	WOODMAN ARTHUR	TAILOR SHOP	242	.	.	.	2	25	.	400	.
0026	L-3	WRIGHT SAMUEL	BRICKMAKING	351-B	400	.	.	2	250	.	1000	.
0026	C-2	WYNARD JAMES	TIN SHOP	304-T	600	.	.	1	400	175	600	425
0026	G-2	WYNN ANNIE	DRESSMAKER SHOP	244/249-M	.	.	.	2	.	.	150	.
0025	D-4	YOUNG JAMES	SHOEMAKER SHOP	174	300	.	.	1	300	.	120	.
0026	L-2	YOUNG RICHARD	CLOTH FACTORY	182	1000	WATER	10	2	72	210	400	190
0026	I	ZAPFE & CARTER ?	IRON FOUNDRY	311/315	3000	STEAM	14	6	2000	.	4300	.
0025	B-2	ZIMMERMAN HENRY	TAILOR SHOP	243	100	.	.	1	.	.	100	.
0025	A-2	ZWIKER CHRISTIAN	SHOEMAKER SHOP	174	600	.	.	1	.	700	1200	500
					=====		=====	=====	=====	=====	=====	=====
					1131933		4270	2118	411603	1939420	3053084	1039384

CDID	CED	PROPRIOR	TYPEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0025	G-1	ACHESON	WILLIAM	SADDLER SHOP	179-S	400	.	5	1000	700	2500	1800
0025	G-1	ADAMS DAVID	TAILOR ESTABLISH	242	200	200	.	3	900	800	2100	1300
0025	G-3	ARCHIBALD C E	CLOTHING/TAILOR	242	1000	1000	.	6	1000	.	1000	.
0025	G-1	ARMSTRONG JOHN	PUMP/CHURN MF	315-P/259-C	500	500	3	2	700	300	1800	1500
0025	G-1	BARRY	GEORGE	FURNITURE/CABINE	261	600	STEAM	2	600	800	4000	3200
0025	G-3	BATES	GEORGE	COOPERAGE	259-C	400	.	7	3240	5400	9500	4100
0025	G-3	BATES	JOHN	WAGON SHOP	329	700	.	2	500	300	2340	2040
0025	G-1	BOOSEY WILLIAM J	COOPERAGE	259-C	250	250	.	5	1353	2172	3800	1628
0025	G-3	BROOKS	WILLIAM	WAGON SHOP	329	1000	.	2	700	300	2000	1700
0025	G-1	BUCHANAN/LAWSON/C	SASH/DOOR/BLIND	254	4000	STEAM	20	8	1452	2400	6000	3600
0025	G-1	BUTLER	JOHN	HURON SALT MF CO	079	15000	STEAM	40	3700	1800	30000	28200
0025	G-2	CARL	MICHAEL	COOPERAGE SHOP	259-C	500	.	1	400	.	1500	.
0025	G-1	CASSIDY	FRANCIS	SHOEMAKER SHOP	174	100	.	2	600	1000	2000	1000
0025	G-3	CLIFFORD	EDWIN	BAKERY	107	2000	.	3	1000	10000	20000	10000
0025	G-3	COX &	MCDONAL	BROOM FACTORY	399-B	500	.	3	1092	1760	4000	2240
0025	G-1	DODD	HENRY	FANNING MILL/RAK	311	700	HORSE	2	1500	464	3145	2681
0025	G-3	DONOGHY &	SIMMONS	PRINTING OFFICE	289	1000	.	6	1400	1000	3000	2000
0025	G-2	DUNLOP	HUGH	TAILORING SHOP	242	1500	.	2	600	1500	2760	1260
0025	G-3	ELLIOTT	LEWIS	BLACKSMITH SHOP	896	300	.	5	700	1000	2000	1000
0025	G-3	FORBY	MARY	MILLINERY SHOP	249-M	200	.	4	300	500	500	0
0025	G-4	FURSE	SAMUEL	BOOT/SHOEMAKER	174	250	.	4	1500	3576	6000	2424
0025	G-2	GORDON	DAN	CABINET WAREHOUS	261	2000	.	6	1000	.	3000	.
0025	G-1	HALLIDAY	ISAAC	SADDLERY/HARNESS	179-S	300	.	2	400	800	1300	500
0025	G-4	HAMILTON	MRS C	MILLINERY	249-M	300	.	8	100	1000	1400	400
0025	G-1	HODGE	ARCHIBA	COOPERAGE	259-C	700	.	18	6000	9450	15450	6000
0025	G-3	KAY	JOHN	ONTARIO SALT WOR	079	10000	STEAM	30	2000	500	8000	7500
0025	G-4	KAY	W & G	TAILORING	242	200	.	6	.	.	300	.
0025	G-2	LAVAGE	WM	HAT MANUFACTORY	246	35000	.	1	450	.	3000	.
0025	G-1	MCCLEOD ARCHIBALD	SADDLE/HARNESS	S 179-S	500	500	.	2	600	800	1600	800
0025	G-3	MCCORMICK BERNARD	TAILORING SHOP	242	100	100	.	4	150	300	1200	900
0025	G-4	MCFARLANE JAMES	TANNERY	172	800	HORSE	1	1	.	.	610	.
0025	G-4	MCKAY	ERIC	CABINETMAKER	261	1000	.	2	700	1500	4000	2500
0025	G-1	MCKENZIE	JOHN	CABINET SHOP	261	800	.	2	500	200	1000	800
0025	G-3	MCLEAN	ALEXAND	TAILORING SHOP	242	2500	.	7	500	1500	3000	1500
0025	G-3	MCLEAN	THOMAS	SALT WORKS	079	3500	.	6	2000	500	7000	6500
0025	G-3	MCLEAN	THOMAS	COOPERAGE	259-C	350	.	4	1000	.	2850	.
0025	G-2	MCNAMARA WM	COOPERAGE SHOP	259-C	150	150	.	1	450	.	700	.
0025	G-4	MCPHERSON JOHN	AXE FACTORY	306-T	600	STEAM	13	2	360	165	625	460
0025	G-3	MILLAR	BETSY	WEAVING SHOP	182-W	60	.	3	125	.	370	.
0025	G-4	MOORE	ELIJAH	CARPENTER/JOINER	421-C	.	.	8	2800	1440	.	.
0025	G-4	MOSS	WILLIAM	BOOT/SHOEMAKER	174	100	.	3	1200	1500	3500	2000
0025	G-1	NOBLE	CHARLES	SHOE MAKING SHOP	174	600	.	2	1000	700	2000	1300
0025	G-3	NOLAN	PETER	BLACKSMITH SHOP	896	100	.	1	.	100	500	400
0025	G-1	PARKYN	JAMES ?	GRIST/FLOUR MILL	105	15000	W/S	75	2650	465654	488726	23072
0025	G-1	PASSMORE	JOHN	CARRIAGES/BLACKS	329/896	5000	.	10	2300	1700	3570	1870
0025	G-3	PLATT	MARY AN	TECUNSETH SALT W	079	21500	STEAM	225	7500	25000	40000	15000
0025	G-1	PORTLAND	SAMUEL	BOOT/SHOE FACTOR	174	.	.	1	300	600	1200	600
0025	G-1	RALPH	JOHN	TINSMITH SHOP	304-T	500	.	1	500	600	1500	900
0025	G-3	RUNCIMAN	ROBERT	FOUNDRY	294	12000	STEAM	12	12000	16550	33000	16450
0025	G-3	SAUNDERS	JAMES	TIN SHOP	304-T	700	.	3	700	1000	2000	1000
0025	G-1	SMITH	ABRAHAM	CLOTHING/TAILOR	242/243	3000	.	4	2500	5000	7500	2500

GODERICH: ALL FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0025	G-1	SMITH	W G	VICTORIA SALT MF 079	10000	STEAM	20	7	3000	750	11700	10950
0025	G-2	SMITH	W G	TANNERY	4000	STEAM	10	7	500	3000	5000	2000
0025	G-1	SOMERVILLE JOHN B		FLOUR/GRIST MILL 105	5000	STEAM	40	3	1200	39000	38701	-299
0025	G-3	STANDLY & CO		STANDLY SALT WOR 079	10000		.	10	900	500	5000	4500
0025	G-3	STANDLY & CO		COOPERAGE	1000		.	5	2510	6000	9000	3000
0025	G-3	STANDLY & CO		SAW MILL/STAVE F 251	20000	STEAM	40	60	12000	30500	48000	17500
0025	G-4	STORY	J & J	TINSMITH SHOP	1000		.	4	.	1000	2000	1000
0025	G-1	STRACHAN	DAVID	BLACKSMITH SHOP 311	400		.	3	675	275	1000	725
0025	G-3	STURDY	THOMAS	SHOE SHOP	150		.	1	500	500	2500	2000
0025	G-3	THOMPSON	ROBERT	BLACKSMITH SHOP 896	2000		.	4	800	720	4000	3280
0025	G-4	WATSON	JAMES	BAKERY	15000		.	3	500	3600	4800	1200
0025	G-2	WATTS	M	BOATBUILDING	1000		.	0	.	.	.	.
0025	G-1	WHITBY	ROBERT	WAGON/CARRIAGE F 329	1200		.	11	3026	2125	6050	3925
0025	G-3	WHITEBY & STURDY		DOMINION SALT WO 079	12000	STEAM	30	7	2190	525	10500	9975
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					231210		561	389	101823	660826	897097	224381

SEAFORTH VILLAGE: ALL ESTABLISHMENTS BY PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0026	I		MILLINERY EST	244/249-M	2000		.	9	900	4500	5400	900
0026	I		MILLINER	244	.		.	1	.	100	400	300
0026	I	ANDERSON	CLOTHING STORE	243	500		.	7	1000	2000	4000	2000
0026	I	BELL	CABINET FACTORY	261	3000	STEAM	4	8	2500	7000	10800	3800
0026	I	BROADFOOT & GRAY	PLANING MILL	254	6000	STEAM	15	11	4000	4800	12500	7700
0026	I	CAVANAGH	BAKERY	107	500		.	2	150	3120	4000	880
0026	I	COLEMAN & GOWANLO	SALT WELL	079	35000	STEAM	20	30	10250	1800	26000	24200
0026	I	COVENTRY	BOOT/SHOE MF	174	4000		.	5	1782	2961	5312	2351
0026	I	DILLEMS	TAILOR SHOP	242	.		.	2	175	300	700	400
0026	I	DUNCAN	BOOT/SHOE SHOP	174	500		.	4	1300	1550	3000	1450
0026	I	ELDER	STAVE FCY/COOPER	251/259-C	8000	STEAM	21	40	7000	5000	16000	11000
0026	I	GLOVER	MILLINER SHOP	249-M/244	.		.	3	36	600	1000	400
0026	I	GRASSIE	WAGON SHOP	329	100		.	1	150	.	500	.
0026	I	GRASSIE	CARRIAGEMAKER	329	4000		.	7	1000	850	5000	4150
0026	I	GROTT	COOPER SHOP	259-C	600		.	2	700	1200	2000	800
0026	I	HART	MILLINERY SHOP	249-M/244	100		.	1	.	150	500	350
0026	I	HICKSON & CO	TAILOR ESTABLISH	242	300		.	9	2514	4000	6000	2000
0026	I	JOHNSTON & BROS	TIN SHOP	304-T	500		.	1	450	500	1100	600
0026	I	KIDD	TIN SHOP	304-T	400		.	2	400	744	2000	1256
0026	I	KIDD	MILLINERY	249-M	1000		.	1	240	.	1000	.
0026	I	LOWE	SHOE SHOP	174	.		.	1	.	520	800	280
0026	I	LUXTON	PRINTING OFFICE	289	2000		.	10	1800	1200	4000	2800
0026	I	MARSHALL	FLOUR MILL	105	6000	STEAM	35	4	1250	17980	20730	2750
0026	I	MARTIN	WOODWORKER/AG IM	311	1000	STEAM	6	2	500	5000	25000	20000
0026	I	MCINTOSH	MILLINER/DRESSMA	249-M/244	100		.	10	.	150	200	50
0026	I	MCINTOSH & MORRIS	CARRIAGE/WAGON F	329	2500		.	8	1000	395	3300	2905
0026	I	MCINTYRE & WILLIS	BOOT/SHOE SHOP	174	500		.	5	960	1120	1376	1376
0026	I	MCAUGHT	CARRIAGE FACTORY	329	2000		.	7	2000	1000	5175	4175
0026	I	MURRAY	BLACKSMITH FORGE	896	.		.	1	.	50	300	250
0026	I	ODELL	CONFECTIONERY	108-C	400		.	2	300	1300	1700	400
0026	I	OLIVER	SADDLER SHOP	179-S	1000		.	2	700	3600	4000	400
0026	I	ROBERTSON	CABINET FACTORY	261	2000	HORSE	1	3	600	298	6000	5702
0026	I	SEG MILLER	FRANK ? OATMEAL/BARLEY M	105-O/105	8000	STEAM	25	5	2500	20000	25000	5000
0026	I	SHEARSON	WM A & FLOUR MILL	105	20000	STEAM	40	10	4400	100000	110000	10000
0026	I	STARK	SHOE SHOP	174	3000		.	4	1200	1500	3120	1620
0026	I	STEPHENS	PORK CURING EST	101-P	4000		.	4	223	4000	5000	1000
0026	I	STEWART	BLACKSMITH FORGE	896	100		.	3	250	1300	2000	700
0026	I	STRONG	ALONZO BAKERY	107	1000		.	2	470	4662	5827	1165
0026	I	SUTHERLAND	TAILOR SHOP	243	500		.	4	1120	2000	4080	2080
0026	I	TREMBLE	POTASH FACTORY	378-P/376	400		.	1	.	200	640	440
0026	I	TROTT	TANNERY	172	150		.	1	.	750	1500	750
0026	I	WILLIAMS	PUMP FACTORY	315-P	800	HORSE	2	2	400	250	1500	1250
0026	I	WILLIAMSON	BLACKSMITH FORGE	311	2000		.	4	600	330	1650	1320
0026	I	WILSON	ALEXAND LIME KILN	358-L	150		.	3	120	60	400	340
0026	I	WILSON	SADDLER SHOP	179-S	1000		.	2	216	605	1110	505
0026	I	WITNEY	TIN SHOP	304-T	800		.	3	444	980	2000	1020
0026	I	WOOD	SADDLER SHOP	179-S	200		.	1	6	100	120	20
0026	I	ZAPPE & CARTER ?	IRON FOUNDRY	311/315	3000	STEAM	14	6	2000	.	4300	.
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					129100		183	256	57606	210525	349160	132835

CLINTON VILLAGE: ALL ESTABLISHMENTS BY PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0026	F-2	COOPER	WILLIAM PLANING FACTORY	251	1200	STEAM	7	3	1000	300	2500	2200
0026	F-2	CRUICKSHANK CHARL	BOOT/SHOE MF	174	2500		.	7	2400	2500	3800	1300
0026	F-2	DOAN & HILL	TANNERY	172	3000	STEAM	10	2	500	4000	6000	2000
0026	F-1	FAIR JAMES	SAW MILL	251	4000	STEAM	30	7	2560	4220	8400	4180
0026	F-1	FAIR JAMES	FLOUR/GRIST MILL	105	10000	STEAM	45	6	2100	52325	35690	-16635
0026	F-1	FAIR JAMES	COOPERAGE	259-C	300		.	2	600	450	1740	1290
0026	F-2	FISHER & BARTON	CLOTHING/MILLINE	242/249-M	800	STEAM	.	5	1400	3000	6000	3000
0026	F-1	FOSTER & MORLEY	WOOLEN MANUFACTU	182	6000	STEAM	16	14	3500	7500	9000	1500
0026	F-2	GLASGOW/MCPHERSON	FOUNDRY	311	3500	STEAM	18	24	9000	.	21700	.
0026	F-2	HILLIER CHARLES	BLACKSMITH FORGE	896	500		.	2	600	200	1200	1000
0026	F-2	JOHNS & MENZIE &	FURNITURE FACTOR	261	6000	STEAM	12	9	3500	1000	5000	4000
0026	F-2	LESLIE & HOLMES	CARRIAGE FACTORY	329	3000	STEAM	5	6	2400	150	5000	4850
0026	F-2	MACTAGGART & CO	FANNING MILL MF	311	10000	STEAM	12	8	3000	4500	10000	5300
0026	F-2	MCGARVA & COMBE &	SALT WELL	079	12000	STEAM	12	8	3000	1200	20000	18800
0026	F-2	MILLER JACOB	BLACKSMITH FORGE	896	300		.	3	80	400	1000	600
0026	F-2	MILLER JOHN	HARNESS DEPOT	179-S	2000		.	5	1500	1500	4000	2500
0026	F-2	MORROW DAVID	BOOT/SHOE MF	174	800		.	2	600	800	1600	800
0026	F-2	MULLOY DANIEL	PUMP MANUFACTORY	315-P	500	HORSE	1	1	192	200	1000	800
0026	F-2	PATTERSON ROBERT	BAKERY	107	200		.	2	100	2000	2600	600
0026	F-2	RACEY J B	GRIST/OATMEAL MI	105/105-O	10000	STEAM	40	4	1500	30000	50000	20000
0026	F-2	RANSFORD RICHARD	STAVE FACTORY	259-C	3000	STEAM	30	20	5000	6000	14000	8000
0026	F-2	ROSS JOHN	PUMP FACTORY	315-P	1200	HORSE	1	2	150	1000	1800	800
0026	F-2	ROWEL WILLIAM	BLACKSMITH FORGE	896	2000		.	2	800	900	2000	1100
0026	F-2	SEARLE & DAVIS	TINWARE MANUFACT	304-T	5000		.	6	3000	3000	5000	2000
0026	F-2	STEVENSON THOMAS	CABINET FACTORY	261	3000		.	4	400	720	1500	780
0026	F-2	WHITEHEAD JOSEPH	FLOUR MILL	105	22500	STEAM	35	5	1500	50000	55000	5000
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					113300		274	159	50382	177865	275530	75965

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